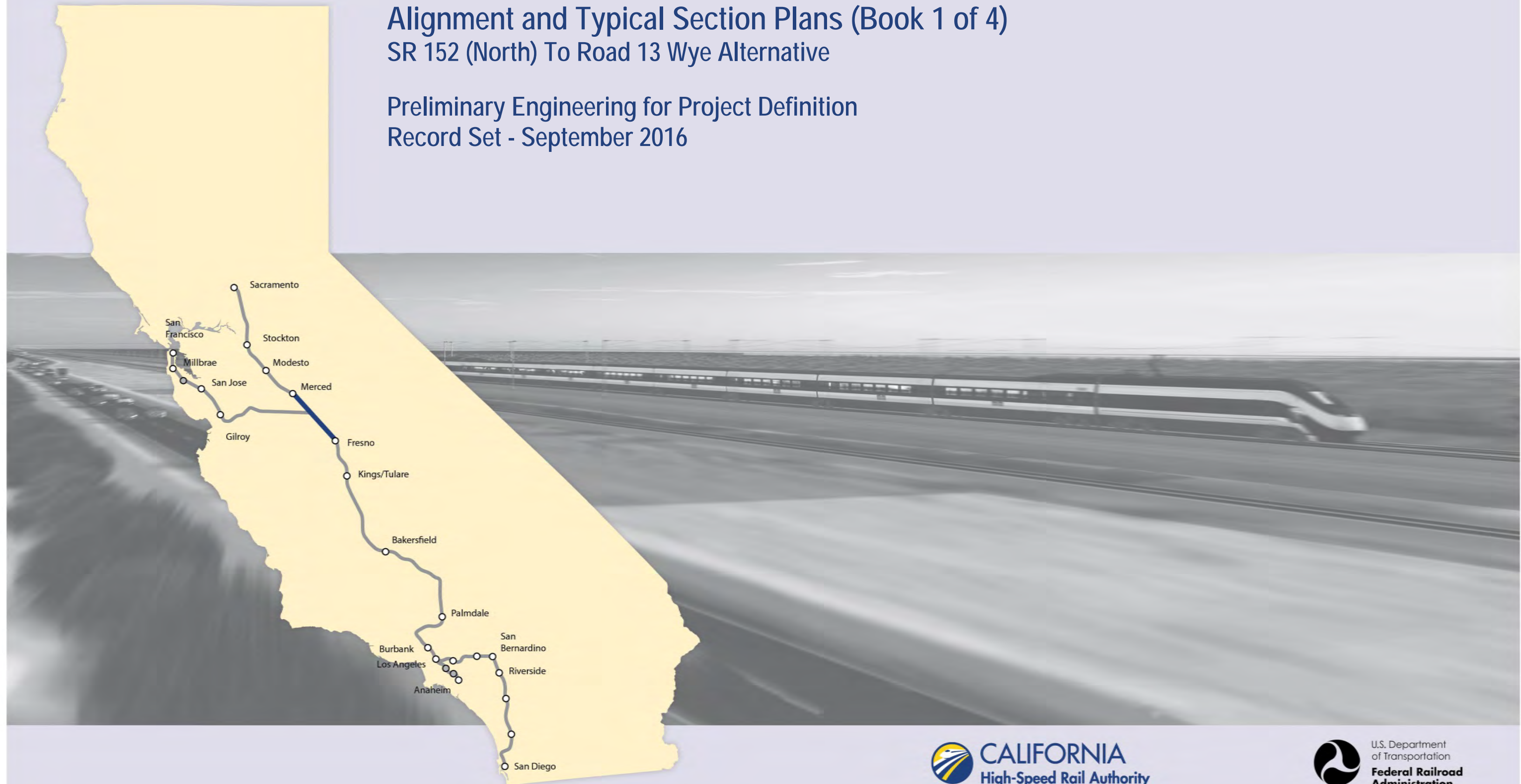


California High-Speed Rail Authority

Merced to Fresno Section: Central Valley Wye

Alignment and Typical Section Plans (Book 1 of 4)
SR 152 (North) To Road 13 Wye Alternative

Preliminary Engineering for Project Definition
Record Set - September 2016



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INDEX OF DRAWINGS				
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GENERAL				
TT-B0001	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	COVER	
TT-B0002	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 1 OF 9
TT-B0003	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 2 OF 9
TT-B0004	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 3 OF 9
TT-B0005	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 4 OF 9
TT-B0006	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 5 OF 9
TT-B0007	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 6 OF 9
TT-B0008	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 7 OF 9
TT-B0009	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 8 OF 9
TT-B0010	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	INDEX OF DRAWINGS	SHEET 9 OF 9
TT-B0011	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B0012	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	ABBREVIATIONS	SHEET 1 OF 2
TT-B4000	CENTRAL VALLEY WYE	ALIGNMENT AND TYPICAL SECTION PLANS	LOCATION PLAN	
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE				
TT-C4001-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
TT-B0023-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
TT-B0027-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
TT-B0031-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
TT-B0050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 7
TT-B0051-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 7
TT-B0052-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 7
TT-B0053-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 7
TT-B0054-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 5 OF 7
TT-B0055-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 7
TT-B0056-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 7 OF 7
TT-D1010-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 1 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0002
SCALE NO SCALE
SHEET NO.

p0066533 15-AUG-2016 4:57 MF-TT-B0003.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1060-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7170+92.61
TT-D1410-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14940+00.00 TO 14996+00.00
TT-D1411-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14940+00.00 TO 14996+00.00
TT-D1420-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14996+00.00 TO 15052+00.00
TT-D1421-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14996+00.00 TO 15052+00.00
TT-D1430-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1431-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1440-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1450-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1460-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1470-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15276+00.00 TO 15332+00.00
TT-D1480-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15332+00.00 TO 15388+00.00
TT-D1490-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15388+00.00 TO 15444+00.00
TT-D1500-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15444+00.00 TO 15500+00.00
TT-D1510-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15500+00.00 TO 15556+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 2 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0003
SCALE NO SCALE
SHEET NO.

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1520-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
TT-D1530-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1611-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36246+00.00 TO 36302+00.00
TT-D1620-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1621-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36302+00.00 TO 36358+00.00
TT-D1630-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1631-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36358+00.00 TO 36414+00.00
TT-D1640-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1641-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36414+00.00 TO 36470+00.00
TT-D1650-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1651-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36470+00.00 TO 36526+00.00
TT-D1660-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36526+00.00 TO 36544+07.50
TT-D1661-A	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36526+00.00 TO 36544+07.50
SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE				
TT-C4001-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 12
TT-B0021-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 12
TT-B0022-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 12
TT-B0023-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 12
TT-B0024-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 12
TT-B0025-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 12
TT-B0026-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 12
TT-B0027-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 12
TT-B0028-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 12
TT-B0029-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 12
TT-B0030-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 12
TT-B0031-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 12 OF 12
TT-B0050-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 9
TT-B0051-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 9
TT-B0052-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 9
TT-B0053-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 9
TT-B0054-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 5 OF 9
TT-B0055-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 9
TT-B0056-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 7 OF 9
TT-B0057-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 8 OF 9
TT-B0058-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 9 OF 9
TT-D1010-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-B	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 19 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 3 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0004
SCALE NO SCALE
SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	C. LEMLEY
DRAWN BY	J. ALADIN
CHECKED BY	S. WILSON
IN CHARGE	C. LEMLEY
DATE	08/12/2016



CONTRACT NO. HSR08-05
DRAWING NO. TT-B0005
SCALE NO SCALE
SHEET NO.

REV	DATE	BY	CHK	APP	DESCRIPTION

**RECORD SET
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SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
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SHEET 5 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0006
SCALE NO SCALE
SHEET NO.

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DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-B0020-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 1 OF 8
TT-B0021-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 2 OF 8
TT-B0022-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 3 OF 8
TT-B0023-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 4 OF 8
TT-B0024-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 5 OF 8
TT-B0025-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 6 OF 8
TT-B0026-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 7 OF 8
TT-B0027-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TYPICAL SECTIONS	SHEET 8 OF 8
TT-B0050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 9
TT-B0051-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 9
TT-B0052-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 9
TT-B0053-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 9
TT-B0054-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 5 OF 9
TT-B0055-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 6 OF 9
TT-B0056-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 7 OF 9
TT-B0057-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 8 OF 9
TT-B0058-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	NB & SB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 9 OF 9
TT-D1010-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00
TT-D1200-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 6 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0007
SCALE NO SCALE
SHEET NO.

p0066533 15-AUG-2016 4:58 MF-TT-B0008.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1250-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7147+86.07
TT-D1410-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14840+42.06 TO 14896+00.00
TT-D1411-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14840+42.06 TO 14896+00.00
TT-D1420-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14896+00.00 TO 14952+00.00
TT-D1421-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14896+00.00 TO 14952+00.00
TT-D1430-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 14952+00.00 TO 15008+00.00
TT-D1431-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 14952+00.00 TO 15008+00.00
TT-D1440-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15008+00.00 TO 15064+00.00
TT-D1441-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15008+00.00 TO 15064+00.00
TT-D1450-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15064+00.00 TO 15120+00.00
TT-D1451-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15064+00.00 TO 15120+00.00
TT-D1460-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15120+00.00 TO 15176+00.00
TT-D1470-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15176+00.00 TO 15232+00.00
TT-D1480-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15232+00.00 TO 15288+00.00
TT-D1490-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15288+00.00 TO 15344+00.00
TT-D1500-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15344+00.00 TO 15400+00.00
TT-D1510-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15400+00.00 TO 15456+00.00
TT-D1520-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15456+00.00 TO 15512+00.00
TT-D1530-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15512+00.00 TO 15568+00.00
TT-D1540-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15568+00.00 TO 15624+00.00
TT-D1550-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15624+00.00 TO 15655+00.00
TT-D1610-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36269+99.76 TO 36324+00.00
TT-D1611-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36269+99.76 TO 36324+00.00
TT-D1620-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36324+00.00 TO 36380+00.00
TT-D1621-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36324+00.00 TO 36380+00.00
TT-D1630-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36380+00.00 TO 36436+00.00
TT-D1631-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36380+00.00 TO 36436+00.00
TT-D1640-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36436+00.00 TO 36492+00.00
TT-D1641-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36436+00.00 TO 36492+00.00
TT-D1650-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36492+00.00 TO 36548+00.00
TT-D1651-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36492+00.00 TO 36548+00.00
TT-D1660-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36548+00.00 TO 36567+19.00
TT-D1661-C	CENTRAL VALLEY WYE	AVENUE 21 TO ROAD 13 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36548+00.00 TO 36567+19.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 7 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0008
SCALE NO SCALE
SHEET NO.

p0042226 16-AUG-2016 09:07 MF-TT-B0009.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE				
TT-C4001-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 1 OF 3
TT-C4002-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 2 OF 3
TT-C4003-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	KEY MAP	SHEET 3 OF 3
TT-B0020-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 1 OF 11
TT-B0021-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 2 OF 11
TT-B0022-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 3 OF 11
TT-B0023-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 4 OF 11
TT-B0024-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 5 OF 11
TT-B0025-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 6 OF 11
TT-B0026-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 7 OF 11
TT-B0027-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 8 OF 11
TT-B0028-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 9 OF 11
TT-B0029-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 10 OF 11
TT-B0030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TYPICAL SECTION	SHEET 11 OF 11
TT-B0050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 1 OF 7
TT-B0051-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 2 OF 7
TT-B0052-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 3 OF 7
TT-B0053-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA	SHEET 4 OF 7
TT-B0054-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 5 OF 7
TT-B0055-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	NB TRACK MERCED TO FRESNO GEOMETRY DATA	SHEET 6 OF 7
TT-B0056-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	SB & NB TRACK SAN JOSE TO MERCED GEOMETRY DATA	SHEET 7 OF 7
TT-D1010-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5338+00.00 TO 5394+00.00
TT-D1020-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5394+00.00 TO 5450+00.00
TT-D1030-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5450+00.00 TO 5506+00.00
TT-D1040-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5506+00.00 TO 5562+00.00
TT-D1050-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5562+00.00 TO 5618+00.00
TT-D1060-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5618+00.00 TO 5674+00.00
TT-D1070-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5674+00.00 TO 5730+00.00
TT-D1080-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5730+00.00 TO 5786+00.00
TT-D1090-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5786+00.00 TO 5842+00.00
TT-D1100-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5842+00.00 TO 5898+00.00
TT-D1110-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5898+00.00 TO 5954+00.00
TT-D1120-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 5954+00.00 TO 6010+00.00
TT-D1130-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6010+00.00 TO 6066+00.00
TT-D1140-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6066+00.00 TO 6122+00.00
TT-D1150-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6122+00.00 TO 6178+00.00
TT-D1160-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6178+00.00 TO 6234+00.00
TT-D1170-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6234+00.00 TO 6290+00.00
TT-D1180-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6290+00.00 TO 6346+00.00
TT-D1190-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6346+00.00 TO 6402+00.00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
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SUBMITTAL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 8 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0009
SCALE NO SCALE
SHEET NO.

p0042226 16-AUG-2016 0:02 MF-TT-B0010.dgn

INDEX OF DRAWINGS				
DRAWING NO.	SECTION	ALIGNMENT / PLAN SET	TITLE	DESCRIPTION
TT-D1200-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6402+00.00 TO 6458+00.00
TT-D1210-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6458+00.00 TO 6514+00.00
TT-D1220-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6514+00.00 TO 6570+00.00
TT-D1230-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6570+00.00 TO 6626+00.00
TT-D1240-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6626+00.00 TO 6682+00.00
TT-D1250-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6682+00.00 TO 6738+00.00
TT-D1260-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6738+00.00 TO 6794+00.00
TT-D1270-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6794+00.00 TO 6850+00.00
TT-D1280-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6850+00.00 TO 6906+00.00
TT-D1290-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6906+00.00 TO 6962+00.00
TT-D1300-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 6962+00.00 TO 7018+00.00
TT-D1310-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7018+00.00 TO 7074+00.00
TT-D1320-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7074+00.00 TO 7130+00.00
TT-D1330-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	SJD-FRE STA 7130+00.00 TO 7171+85.19
TT-D1410-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1411-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15009+29.85 TO 15052+00.00
TT-D1420-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1421-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15052+00.00 TO 15108+00.00
TT-D1430-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1431-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15108+00.00 TO 15164+00.00
TT-D1440-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1441-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15164+00.00 TO 15220+00.00
TT-D1450-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1451-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	MER-FRE STA 15220+00.00 TO 15276+00.00
TT-D1460-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15276+00.00 TO 15332+00.00
TT-D1470-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15332+00.00 TO 15388+00.00
TT-D1480-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15388+00.00 TO 15444+00.00
TT-D1490-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15444+00.00 TO 15500+00.00
TT-D1500-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15500+00.00 TO 15556+00.00
TT-D1510-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15556+00.00 TO 15612+00.00
TT-D1520-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN AND PROFILE	MER-FRE STA 15612+00.00 TO 15655+00.00
TT-D1610-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1611-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36128+14.76 TO 36184+00.00
TT-D1620-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1621-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36184+00.00 TO 36240+00.00
TT-D1630-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1631-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36240+00.00 TO 36296+00.00
TT-D1640-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1641-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36296+00.00 TO 36352+00.00
TT-D1650-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1651-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36352+00.00 TO 36408+00.00
TT-D1660-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PLAN	SJD-MER STA 36408+00.00 TO 36457+64.82
TT-D1661-D	CENTRAL VALLEY WYE	SR 152 (NORTH) TO ROAD 11 WYE ALTERNATIVE	TRACK PROFILE	SJD-MER STA 36408+00.00 TO 36457+64.82

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY C. LEMLEY
DRAWN BY J. ALADIN
CHECKED BY S. WILSON
IN CHARGE C. LEMLEY
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
INDEX OF DRAWINGS
SHEET 9 OF 9

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0010
SCALE NO SCALE
SHEET NO.

D0042226 16-AUG-201609:14

p0042226 16-AUG-2016 09:15 MF-TT-B0012.dgn

O	
OC	OVERCROSSING
OCS	OVERHEAD CONTACT SYSTEM
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OH	OVERHEAD
O-O	OUT TO OUT
OPP	OPPOSITE
P	
P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX, PHASE BREAK
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PED	PEDESTRIAN
PED OC	PEDESTRIAN OVERCROSSING
PED UC	PEDESTRIAN UNDERCROSSING
PERM MTL	PERMEABLE MATERIAL
PG	PROFILE GRADE
PG&E	PACIFIC GAS AND ELECTRIC
PI	POINT OF INTERSECTION
PITO	POINT OF INTERSECTION TURNOUT
PJP	PARTIAL JOINT PENETRATION
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POB	POINT OF BEGINNING
POC	POINT OF HORIZONTAL CURVE
POE	POINT OF END
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	POINT OF SWITCH, PRESTRESSED, PARALLELING STATION
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE

P CONTINUED	
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
Q	
R	
QTY	QUANTITY
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
REINF	REINFORCED, REINFORCEMENT, REINFORCING
REL	RELOCATE
REPL	REPLACEMENT
RET	RETAINING
REV	REVISED
RDWY	ROADWAY
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT-OF-WAY
RWY	RAILWAY
S	
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
SALV	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION, SPIRAL CURVE POINT
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
SEC	SECOND, SECTION
SEP	SEPARATION
SG	SUBGRADE
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SJD	SAN JOSE DIRIDON STATION

S CONTINUED	
SJM	SAN JOSE TO MERCED
SJV	SAN JOAQUIN VALLEY
S	STATION LINE
SM	SELECTED MATERIAL
SPEC	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SR	STATE ROUTE
SRS	STANDALONE RADIO SITE
SS	SLOPE STAKE, SUBSTATION
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
ST	STREET, SPIRAL TANGENT POINT
STA	STATION
STBB	SINGLE THRIE BEAM BARRIER
STD	STANDARD
STR	STRUCTURE
SURF	SURFACING
SW	SIDEWALK, SOUND WALL
SWR	SEWER
SWS	SWITCHING STATION
SYM	SYMMETRICAL
S4S	SURFACE 4 SIDES
T	
T	SEMI-TANGENT
TAB	TABLET
TAN	TANGENT
TBB	THRIE BEAM BARRIER
TBD	TO BE DETERMINED
TBR	TIMBER
TC	TOP OF CURB, TRAIN CONTROL
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TEMP	TEMPORARY
TG	TOP OF GRADE
TM	TECHNICAL MEMORANDUM
TO	TURNOUT
TOT	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPF	TRACTION POWER FACILITY
TPM	TREATED PERMEABLE MATERIAL
TPSS	TRACTION POWER SUBSTATION
T/R	TOP OF RAIL
TRANS	TRANSITION
TRK	TRACK

T CONTINUED	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL, TANGENT SPIRAL POINT
TYP	TYPICAL
U	
UC	UNDERCROSSING
UD	UNDERDRAIN
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPRR	UNION PACIFIC RAILROAD
UXO	UNIVERSAL CROSSOVER
V	
V	DESIGN SPEED, VALVE
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIA	VIADUCT
VOL	VOLUME
W	
W	WEST, WIDTH
WB	WESTBOUND
WCB	WORLD COORDINATE BEARING
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
X	
X SEC	CROSS SECTION
XING	CROSSING
XO	CROSSOVER
Y	
YR	YEAR
YRS	YEARS

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY E. BALTAY
DRAWN BY E. BALTAY
CHECKED BY KRIT W.
IN CHARGE D. WEMMER
DATE 08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

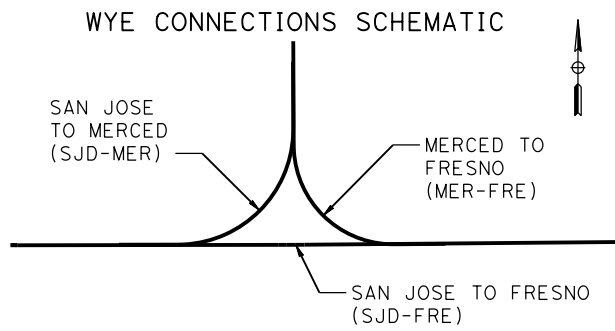
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN JOSE TO MERCED SEGMENT

ABBREVIATIONS
SHEET 2 OF 2

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0012
SCALE NO SCALE
SHEET NO.



TO SAN JOSE

TO SACRAMENTO

TO FRESNO

HENRY MILLER ROAD

ALIGNMENT NOT IN CONTRACT

ALIGNMENT NOT IN CONTRACT

ALIGNMENT NOT IN CONTRACT

MERCED COUNTY

FRESNO COUNTY

MADERA COUNTY

MERCED COUNTY

MERCED COUNTY

MADERA COUNTY

MADERA ACRES

MADERA

CHOWCHILLA

FAIRMEAD

ROAD 11 WYES

ROAD 13 WYES

SR 152 (NORTH) TO ROAD 13 WYE

SR 152 (NORTH) TO ROAD 11 WYE

SR 152

AVENUE 21

AVENUE 21 TO ROAD 13 WYE

SR 152 (NORTH) TO ROAD 19 WYE

SR 152 (NORTH) TO ROAD 19 WYE

AVENUE 19

CARLUCCI ROAD

RANCH ROAD

ROAD 13

ROAD 19

145

99

233

99

59

59

140

99

152

99

145

99

NOTE:
FOR LARGE SCALE VIEW OF EACH ALIGNMENT OPTION,
PLEASE REFER TO KEY MAP DRAWINGS PROVIDED IN THIS
PACKAGE FOR EACH OPTION.

DESIGNED BY
C. LEMLEY

DRAWN BY
J. KIDWELL

CHECKED BY
A. M.

IN CHARGE
C. LEMLEY

DATE
08/12/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
ALIGNMENT AND TYPICAL SECTION PLANS
LOCATION PLAN

CONTRACT NO.
HSR08-05

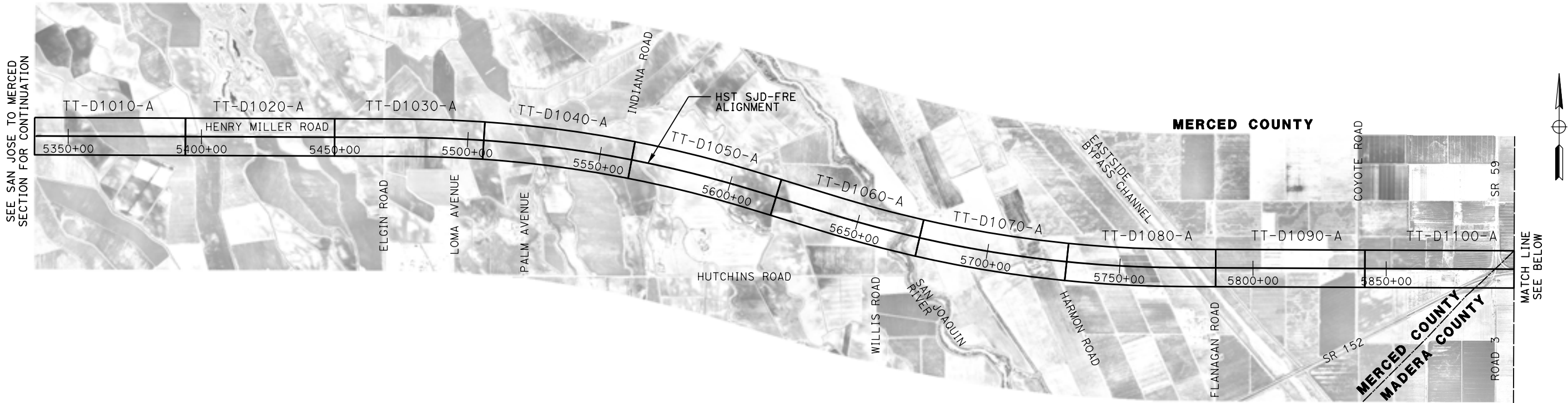
DRAWING NO.
TT-B4000

SCALE
NTS

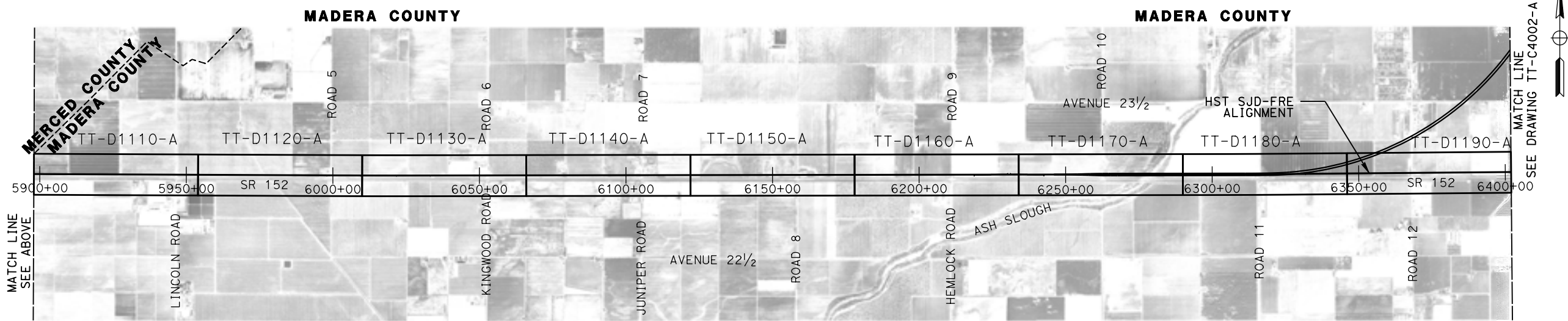
SHEET NO.

p0042226 16-MAR-2016 1:25 MF-TT-C4001-A.dgn

MERCED COUNTY



MADERA COUNTY



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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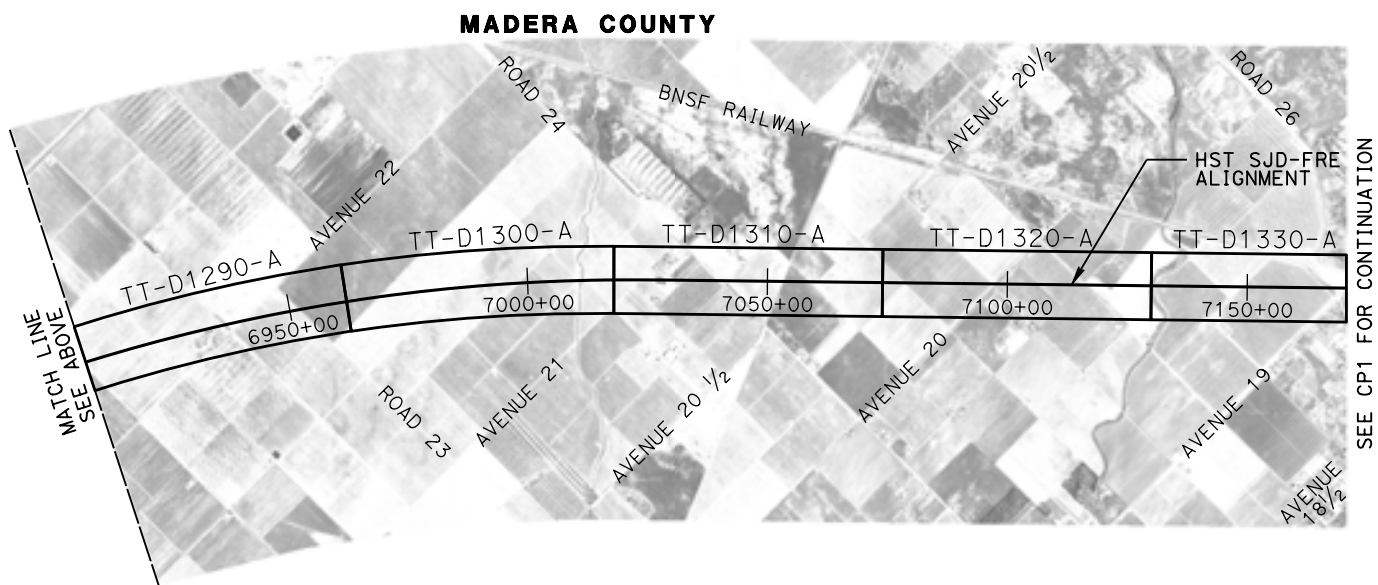
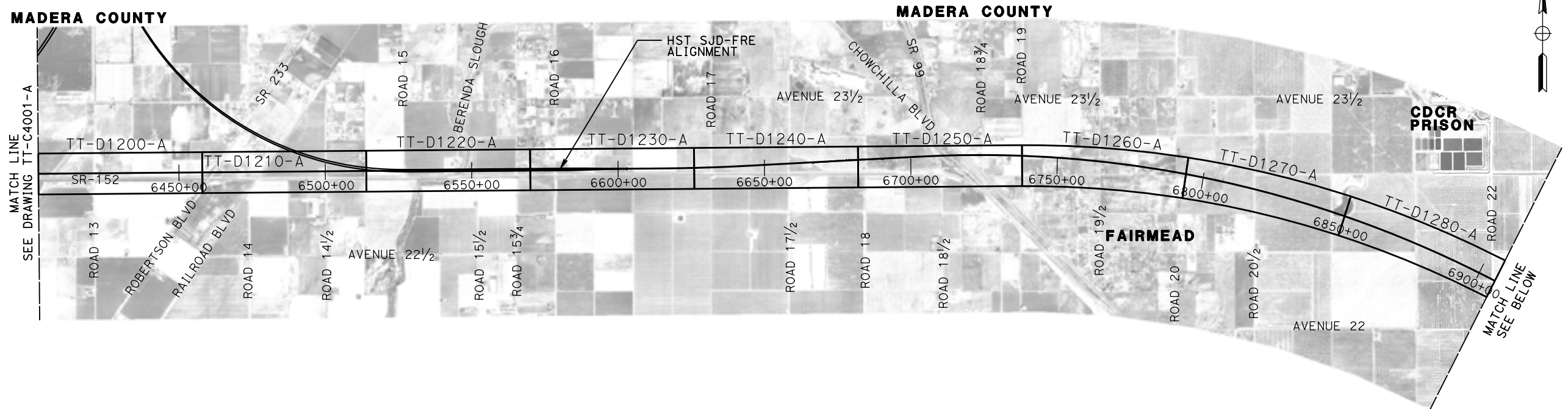
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 1 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. TT-C4001-A
SCALE N. T. S.
SHEET NO.

p0042226 16-MAR-2016 1:27 MF-TT-C4002-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
KEY MAP
SHEET 2 OF 3

CONTRACT NO. HSR08-05
DRAWING NO. TT-C4002-A
SCALE N. T. S.
SHEET NO.

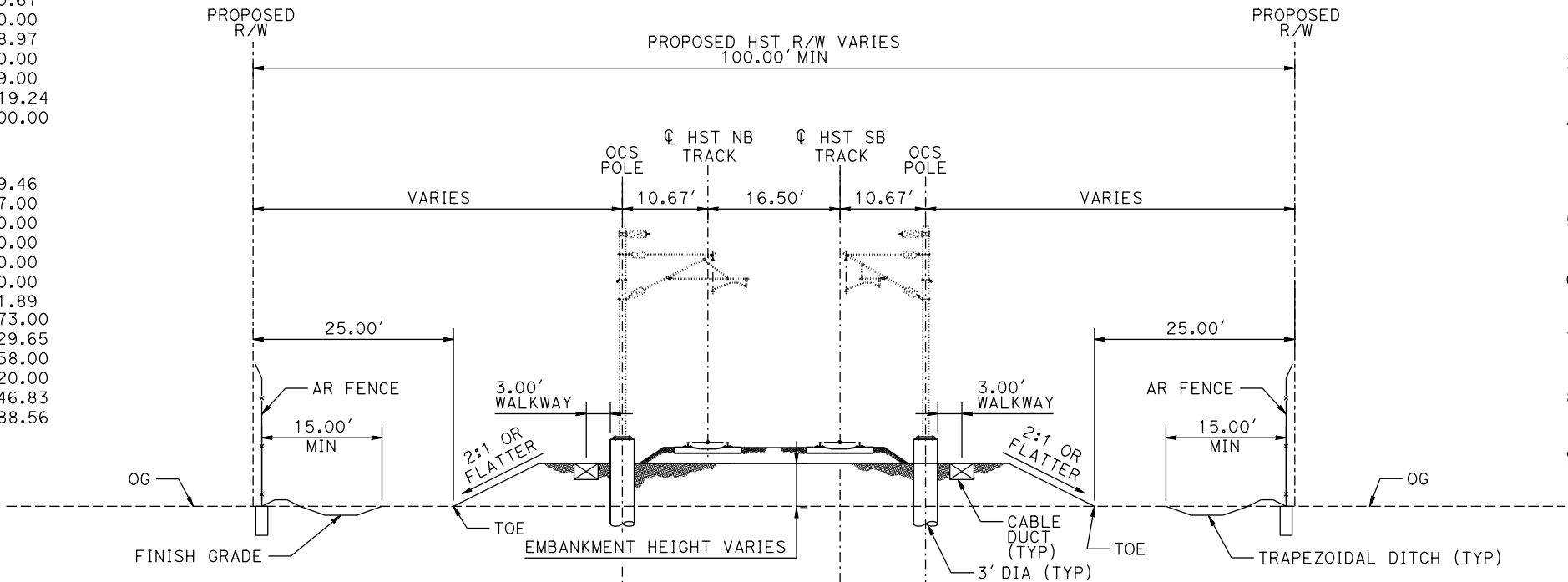
SECTION A-A

TANGENT

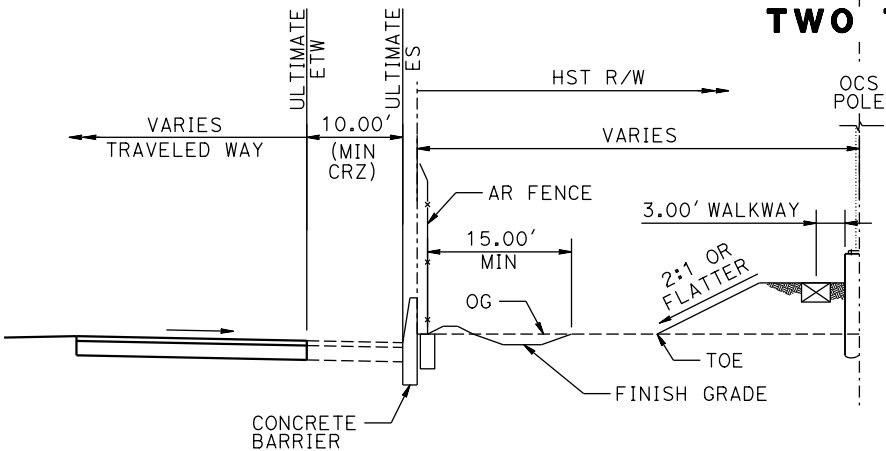
STATION SJD-FRE 5338+00.00 TO 5468+71.16
STATION SJD-FRE 5617+79.46 TO 5632+50.67
STATION SJD-FRE 5785+40.00 TO 5900+00.00
STATION SJD-FRE 7034+31.89 TO 7129+48.97
STATION SJD-FRE 7131+88.97 TO 7196+70.00
STATION SJD-FRE 7199+10.00 TO 7323+79.00
STATION MER-FRE 15247+43.70 TO 15253+19.24
STATION MER-FRE 15507+88.56 TO 15655+00.00

SUPERELEVATED

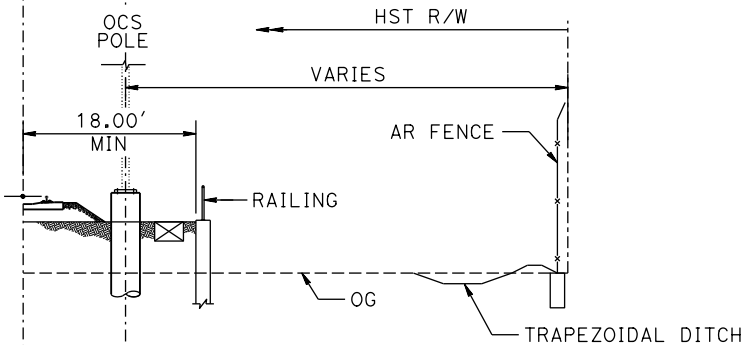
STATION SJD-FRE 5468+71.16 TO 5617+79.46
STATION SJD-FRE 5632+50.67 TO 5656+47.00
STATION SJD-FRE 5657+77.00 TO 5664+90.00
STATION SJD-FRE 5672+70.00 TO 5683+30.00
STATION SJD-FRE 5689+20.00 TO 5723+00.00
STATION SJD-FRE 5725+40.00 TO 5769+80.00
STATION SJD-FRE 6725+88.00 TO 7034+31.89
STATION MER-FRE 15253+19.25 TO 15264+73.00
STATION MER-FRE 15266+18.00 TO 15285+29.65
STATION MER-FRE 15294+89.65 TO 15309+58.00
STATION MER-FRE 15312+88.00 TO 15435+20.00
STATION MER-FRE 15437+60.00 TO 15473+46.83
STATION MER-FRE 15476+19.66 TO 15507+88.56



SECTION A-A
TWO TRACKS ON EMBANKMENT



SUBSECTION A-A
HST ADJACENT TO ROADWAY
WITH 10' CLEAR RECOVERY ZONE (CRZ)



SUBSECTION A-A
HST WITH RETAINING WALL

GENERAL TYPICAL SECTION NOTES:

1. TRACK, OCS POLES AND FOUNDATIONS, CABLE DUCTS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. RIGHT-OF-WAY REQUIRED FOR THE HST GUIDEWAY WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING, BUT NOT LIMITED TO, TERRAIN WHERE CUT/FILL SLOPES, RETAINING STRUCTURES, AND ACCESS ARE REQUIRED.
3. SEE STRUCTURES, VIADUCT AND TUNNEL PLANS FOR DETAILED CROSS SECTIONS OF STRUCTURES.
4. RIGHT-OF-WAY TO BE PLACED A MINIMUM OF 15.00' FROM EDGE OF PIER FOUNDATION OR AS INDICATED IN THE SECTIONS, WHICHEVER YIELDS THE LARGER RIGHT OF WAY.
5. BALLASTED TRACK STRUCTURE AT ALL LOCATIONS EXCEPT ON STRUCTURES OVER 1000 FEET.
6. TANGENT AND SUPERELEVATED SECTION IS FOR THE PURPOSE OF ILLUSTRATION ONLY.
7. ALL STATION LIMITS ARE TAKEN FROM SOUTHBOUND ALIGNMENT STATIONING.
8. SEE CIVIL AND GRADE SEPARATION PLANS FOR PERMANENT ACCESS AND UTILITY EASEMENTS.
9. 6 FEET BENCH REQUIRED FOR EMBANKMENT HEIGHT OVER 30' (NOT SHOWN).

MF-TT-B0020-A.dgn
10-FEB-2016 09:14
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 1 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0020-A
SCALE N.T.S.
SHEET NO.

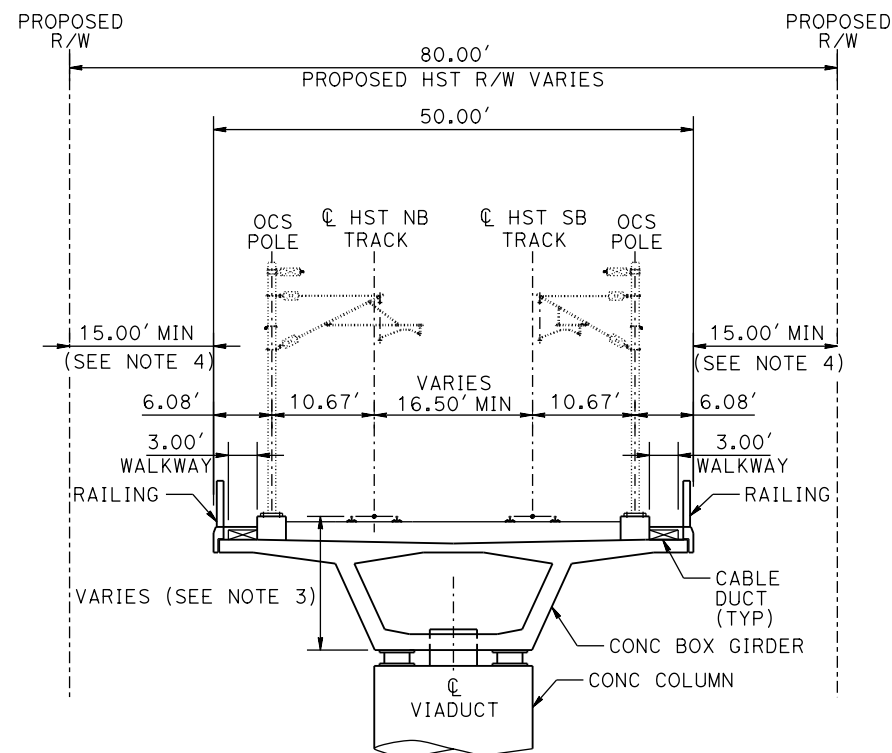
SECTION B-B

TANGENT

STATION SJD-FRE 5780+47.92 TO 5785+40.00
STATION SJD-FRE 6367+59.00 TO 6368+79.00
STATION SJD-FRE 7129+48.97 TO 7131+88.97
STATION SJD-FRE 7196+70.00 TO 7199+10.00

SUPERELEVATED

STATION SJD-FRE 5656+47.00 TO 5657+77.00
STATION SJD-FRE 5664+90.00 TO 5672+70.00
STATION SJD-FRE 5683+30.00 TO 5689+20.00
STATION SJD-FRE 5723+00.00 TO 5725+40.00
STATION SJD-FRE 5769+80.00 TO 5780+47.92
STATION SJD-FRE 6703+83.00 TO 6725+88.00
STATION MER-FRE 15264+73.00 TO 15266+18.00
STATION MER-FRE 15285+29.65 TO 15294+89.65
STATION MER-FRE 15309+58.00 TO 15312+88.00
STATION MER-FRE 15435+20.00 TO 15437+60.00



NOTE:

- SEE DRAWING TT-B0020-A FOR GENERAL TYPICAL SECTION NOTES.

SECTION B-B TWO TRACKS ON AERIAL STRUCTURE

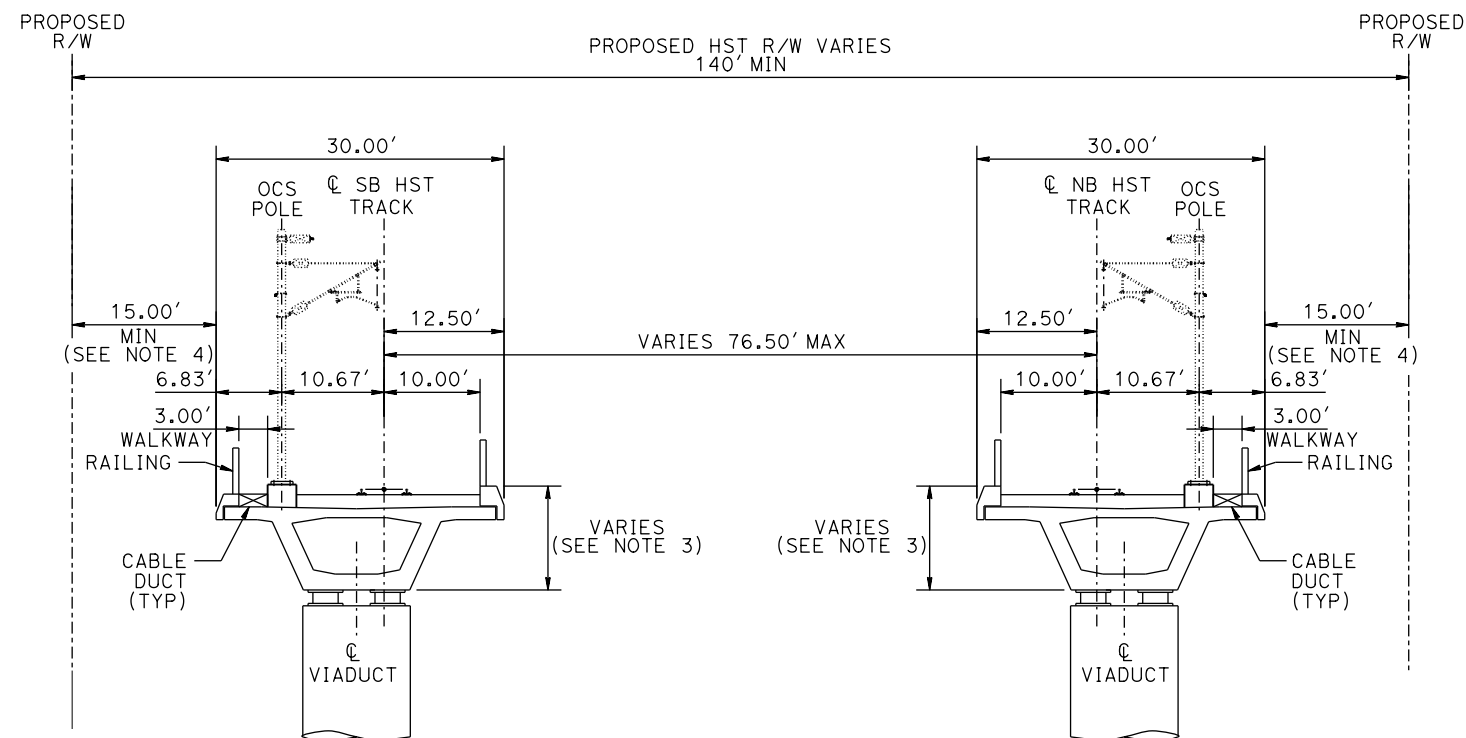
SECTION C-C

TANGENT

N/A

SUPERELEVATED

STATION SJD-MER 36369+07.00 TO 36371+47.00
STATION MER-FRE 15065+20.04 TO 15067+61.46
STATION MER-FRE 15079+23.11 TO 15081+67.00
STATION MER-FRE 15094+20.00 TO 15096+60.00



SECTION C-C TWO TRACKS ON SINGLE TRACK AERIAL STRUCTURE WITH WIDE TRACK CENTERS

DESIGNED BY
D. OLIVETI
DRAWN BY
M. TACTAY
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
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CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 2 OF 12

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0021-A
SCALE
N.T.S.
SHEET NO.

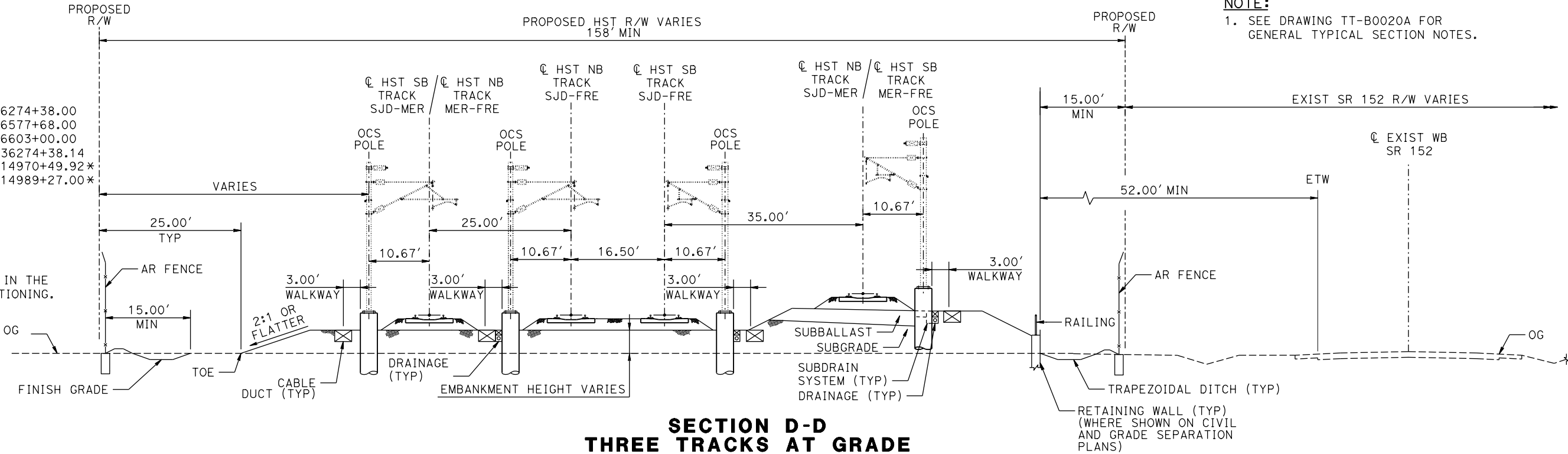
NOTE:
1. SEE DRAWING TT-B0020A FOR
GENERAL TYPICAL SECTION NOTES.

SECTION D-D
TANGENT

STATION SJD-FRE 6246+00.00 TO 6274+38.00
STATION SJD-FRE 6560+40.42 TO 6577+68.00
STATION SJD-FRE 6579+18.00 TO 6603+00.00
STATION SJD-MER 36264+00.00 TO 36274+38.14
STATION MER-FRE 14946+67.02 TO 14970+49.92*
STATION MER-FRE 14971+99.42 TO 14989+27.00*

SUPERELEVATED
N/A

* TYPICAL SECTION IS VIEWED IN THE
DIRECTION OF DECREASING STATIONING.



SECTION D-D
THREE TRACKS AT GRADE
ONE TRACK ON RETAINED FILL
ADJACENT TO SR 152

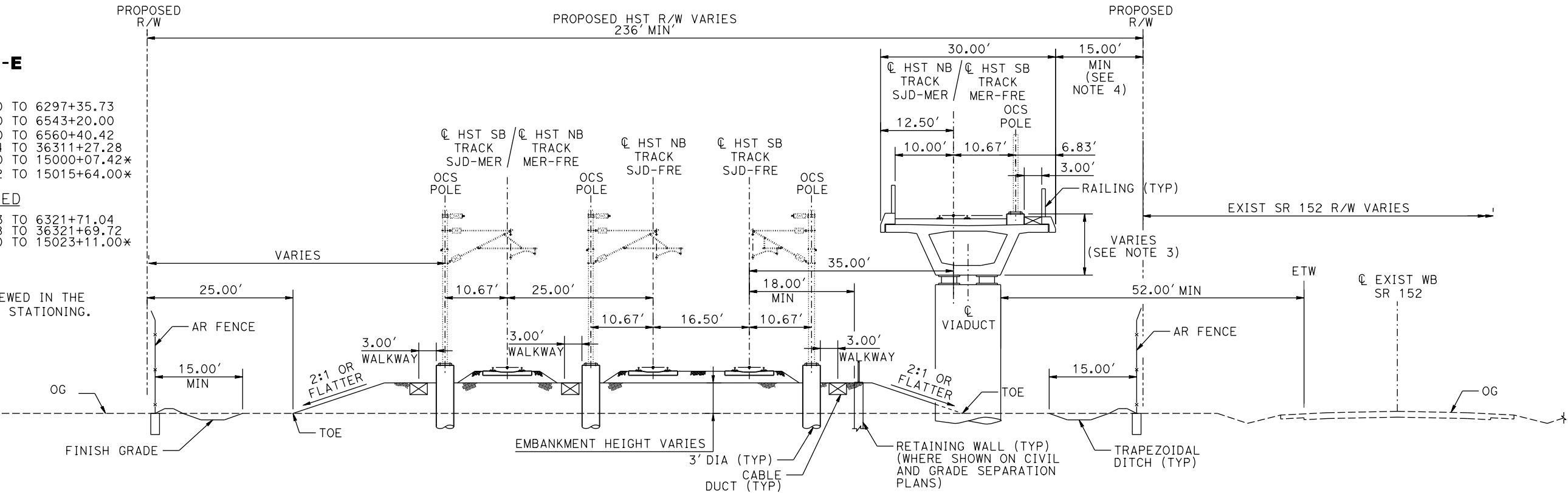
SECTION E-E
TANGENT

STATION SJD-FRE 6284+08.00 TO 6297+35.73
STATION SJD-FRE 6526+57.00 TO 6543+20.00
STATION SJD-FRE 6549+60.00 TO 6560+40.42
STATION SJD-MER 36284+08.14 TO 36311+27.28
STATION MER-FRE 14989+27.00 TO 15000+07.42*
STATION MER-FRE 15006+47.42 TO 15015+64.00*

SUPERELEVATED

STATION SJD-FRE 6297+35.73 TO 6321+71.04
STATION SJD-MER 36311+27.28 TO 36321+69.72
STATION MER-FRE 15015+64.00 TO 15023+11.00*

* TYPICAL SECTION IS VIEWED IN THE
DIRECTION OF DECREASING STATIONING.



SECTION E-E
THREE TRACKS AT GRADE
ONE TRACK ON AERIAL STRUCTURE
ADJACENT TO SR 152

DESIGNED BY
D. OLIVETI
DRAWN BY
M. TACTAY
CHECKED BY
E. CASTELI
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 3 OF 12

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0022-A
SCALE
N.T.S.
SHEET NO.

10-FEB-2016 09:15 MF-TT-B0022-A.dgn

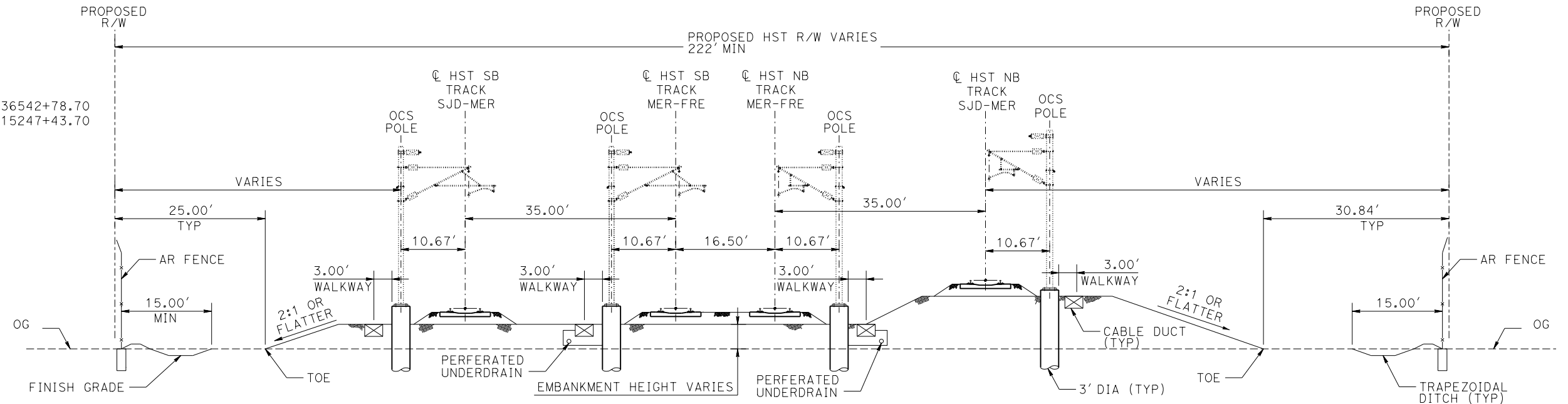
SECTION F-F

TANGENT

STATION SJD-MER 36514+09.24 TO 36542+78.70
STATION MER-FRE 15218+74.65 TO 15247+43.70

SUPERELEVATED

N/A



SECTION F-F FOUR TRACKS AT GRADE

NOTE:
1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

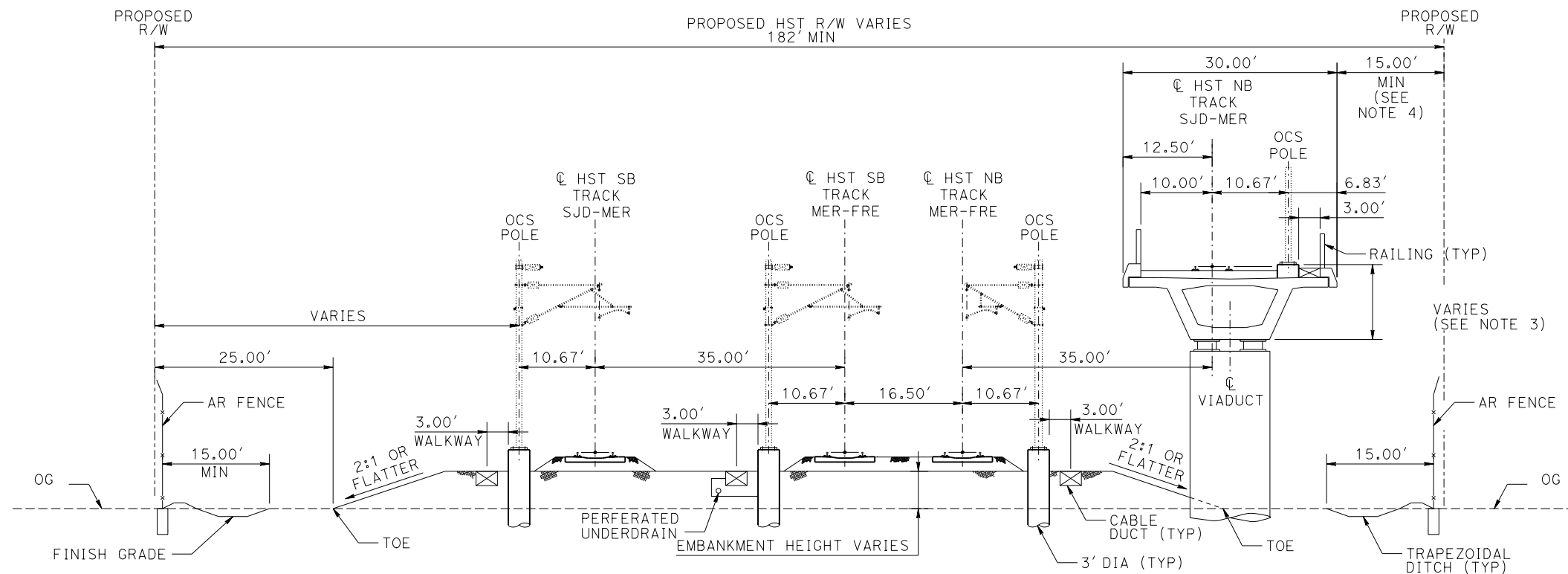
SECTION G-G

TANGENT

STATION SJD-MER 36488+30.79 TO 36507+19.24
STATION MER-FRE 15193+70.61 TO 15211+84.65

SUPERELEVATED

STATION SJD-MER 36482+89.48 TO 36488+30.79
STATION MER-FRE 15187+55.00 TO 15193+70.61



SECTION G-G THREE TRACKS AT GRADE ONE TRACK ON AERIAL STRUCTURE

MF-TT-B0023-A.dgn

30-OCT-2015 10:52

0009448g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN
SUBMITTAL

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 4 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0023-A
SCALE N.T.S.
SHEET NO.

SECTION H-H

TANGENT

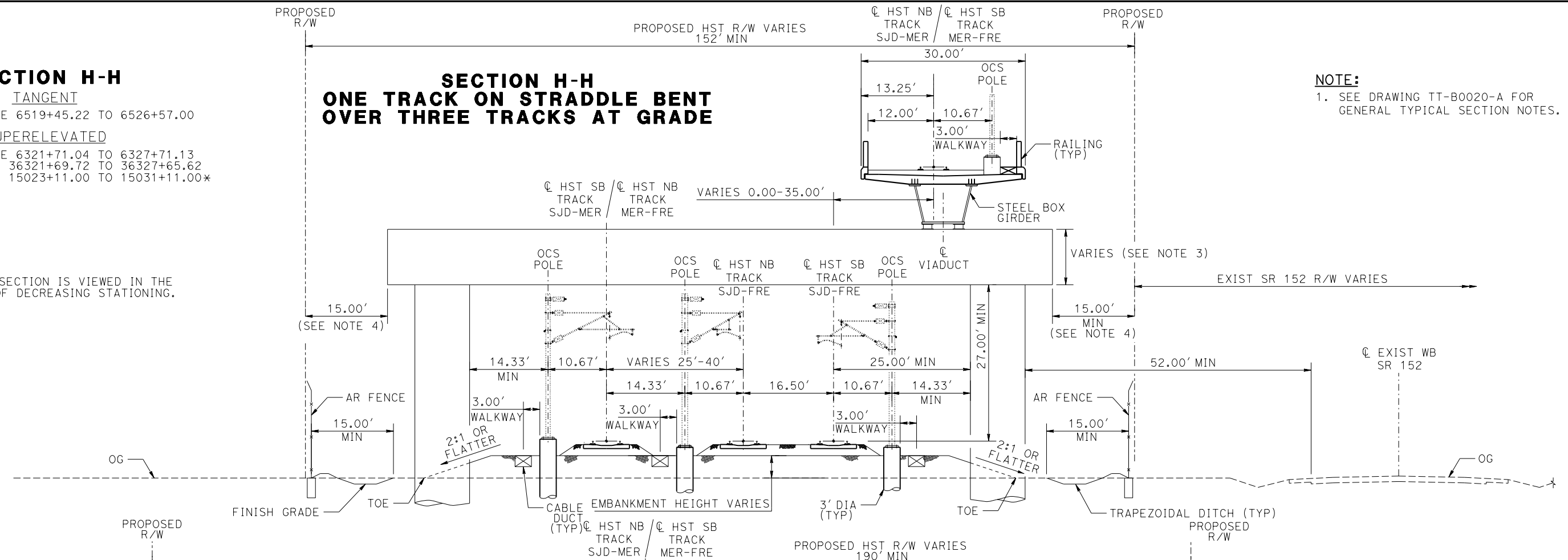
STATION SJD-FRE 6519+45.22 TO 6526+57.00

SUPERELEVATED

STATION SJD-FRE 6321+71.04 TO 6327+71.13
STATION SJD-MER 36321+69.72 TO 36327+65.62
STATION MER-FRE 15023+11.00 TO 15031+11.00*

* TYPICAL SECTION IS VIEWED IN THE
DIRECTION OF DECREASING STATIONING.

SECTION H-H ONE TRACK ON STRADDLE BENT OVER THREE TRACKS AT GRADE



NOTE:

1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

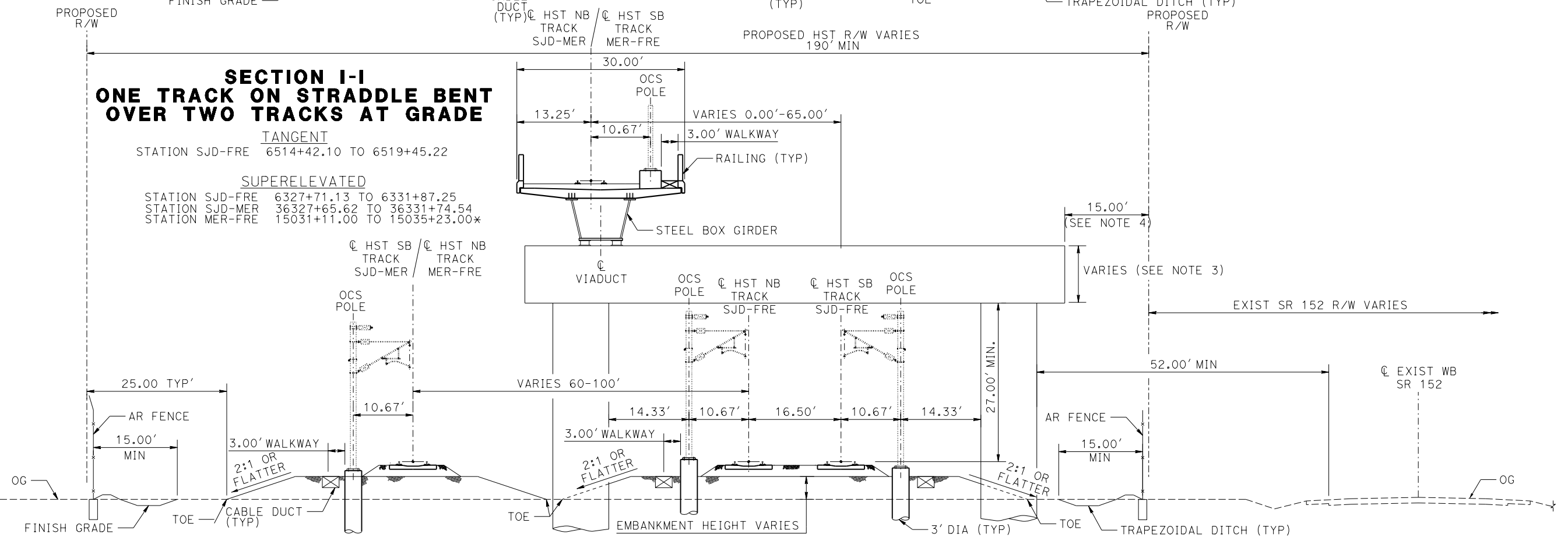
SECTION I-I ONE TRACK ON STRADDLE BENT OVER TWO TRACKS AT GRADE

TANGENT

STATION SJD-FRE 6514+42.10 TO 6519+45.22

SUPERELEVATED

STATION SJD-FRE 6327+71.13 TO 6331+87.25
STATION SJD-MER 36327+65.62 TO 36331+74.54
STATION MER-FRE 15031+11.00 TO 15035+23.00*



DESIGNED BY
D. OLIVETI
DRAWN BY
M. TACTAY
CHECKED BY
E. CASTELI
IN CHARGE
C. LEMLEY
DATE
10/30/2015

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



**CALIFORNIA
HIGH-SPEED RAIL AUTHORITY**

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 5 OF 12

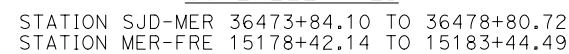
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-B0024-A
SCALE
N.T.S.
SHEET NO.

STATION SJD-MER 36478+80.72 TO 36481+79.35
STATION MER-FRE 15183+44.49 TO 15186+45.00

15.00'

(SEE NOTE 4)

1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.



5.00'

(SEE NOTE 4)



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

REV	DATE	BY	CHK	APP	DESCRIPTION

NOTE:
1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

SECTION L-L

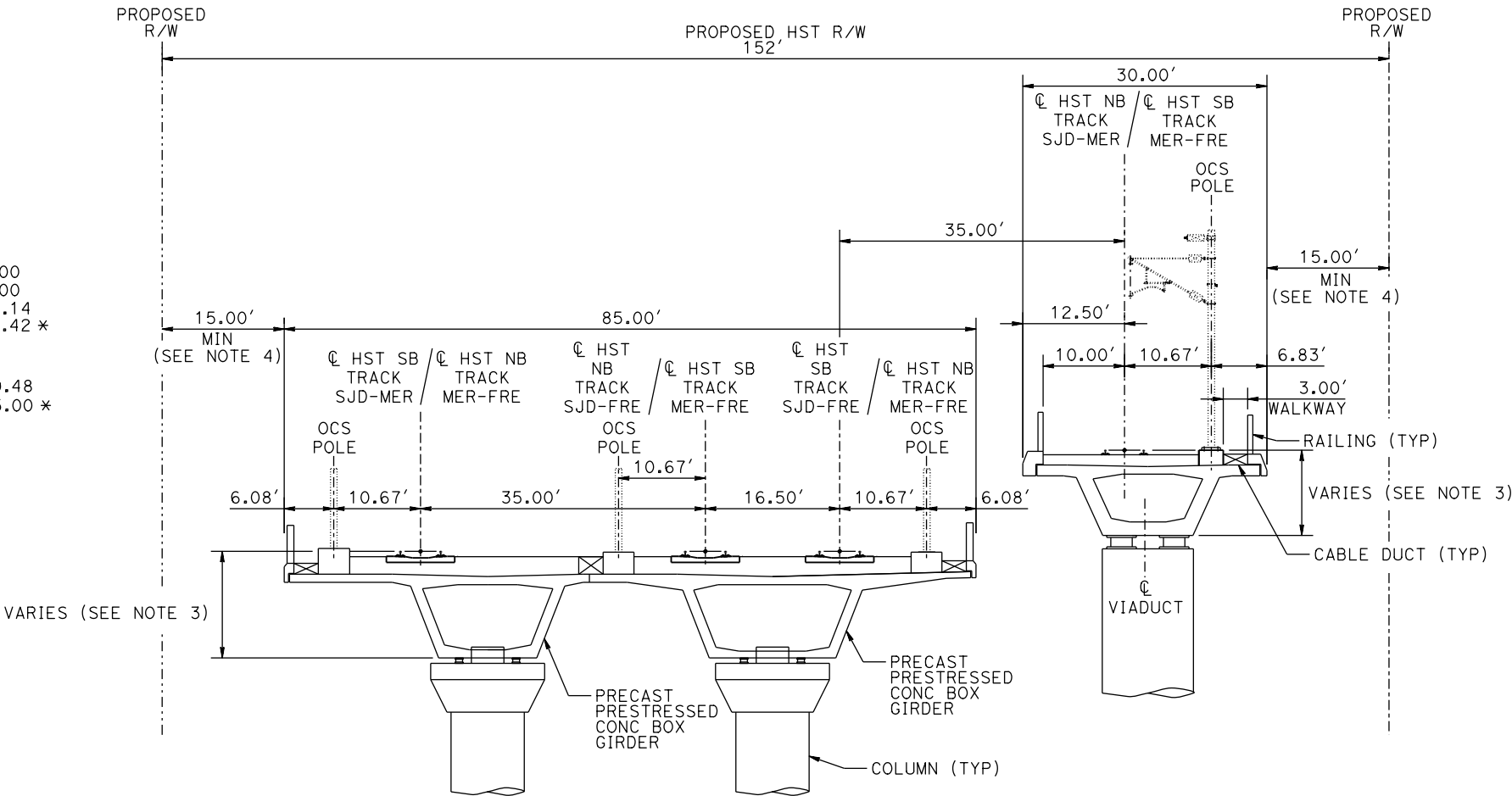
TANGENT

STATION SJD-FRE 6274+38.00 TO 6284+08.00
STATION SJD-FRE 6543+20.00 TO 6549+60.00
STATION SJD-MER 36274+38.14 TO 36284+08.14
STATION MER-FRE 15000+07.42 TO 15006+47.42 *

SUPERELEVATED

STATION SJD-MER 36481+79.35 TO 36482+89.48
STATION MER-FRE 15186+45.00 TO 15187+55.00 *

* TYPICAL SECTION IS VIEWED IN THE
DIRECTION OF DECREASING STATIONING.



SECTION L-L
FOUR TRACKS ON TWO AERIAL STRUCTURES

16-MAR-2016 11:24 MF-TT-B0026-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
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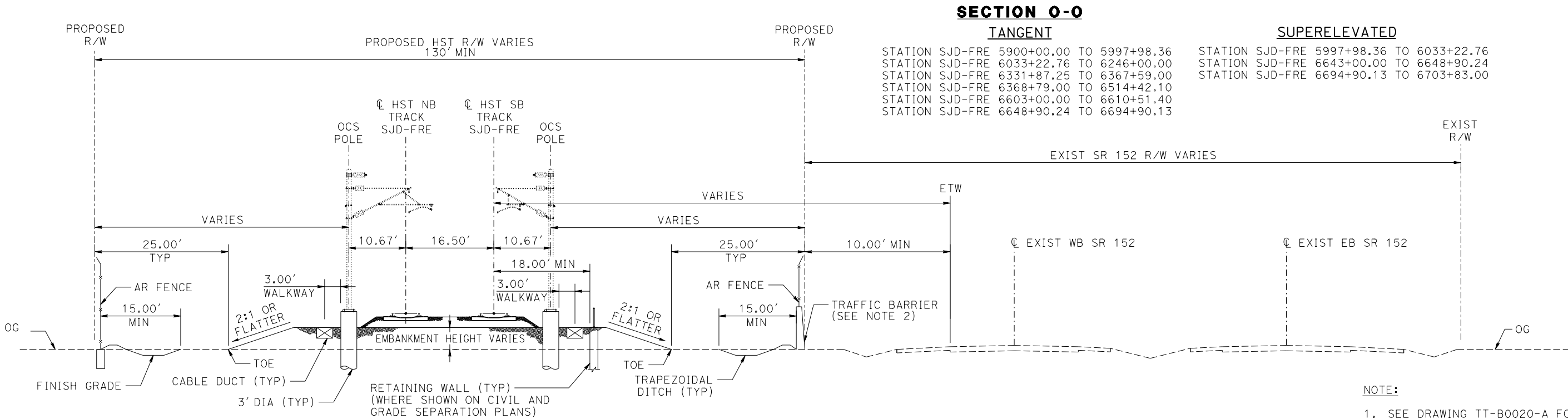


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 7 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0026-A
SCALE N.T.S.
SHEET NO.

SHEET NO.



SECTION 0-0

TWO TRACKS ON EMBANKMENT ADJACENT TO SR 152

MF-TT-B0028-A.dgn

26-OCT-2015 17:22

p005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET

15% DESIGN

SUBMITTAL

NOT FOR

CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT

MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE

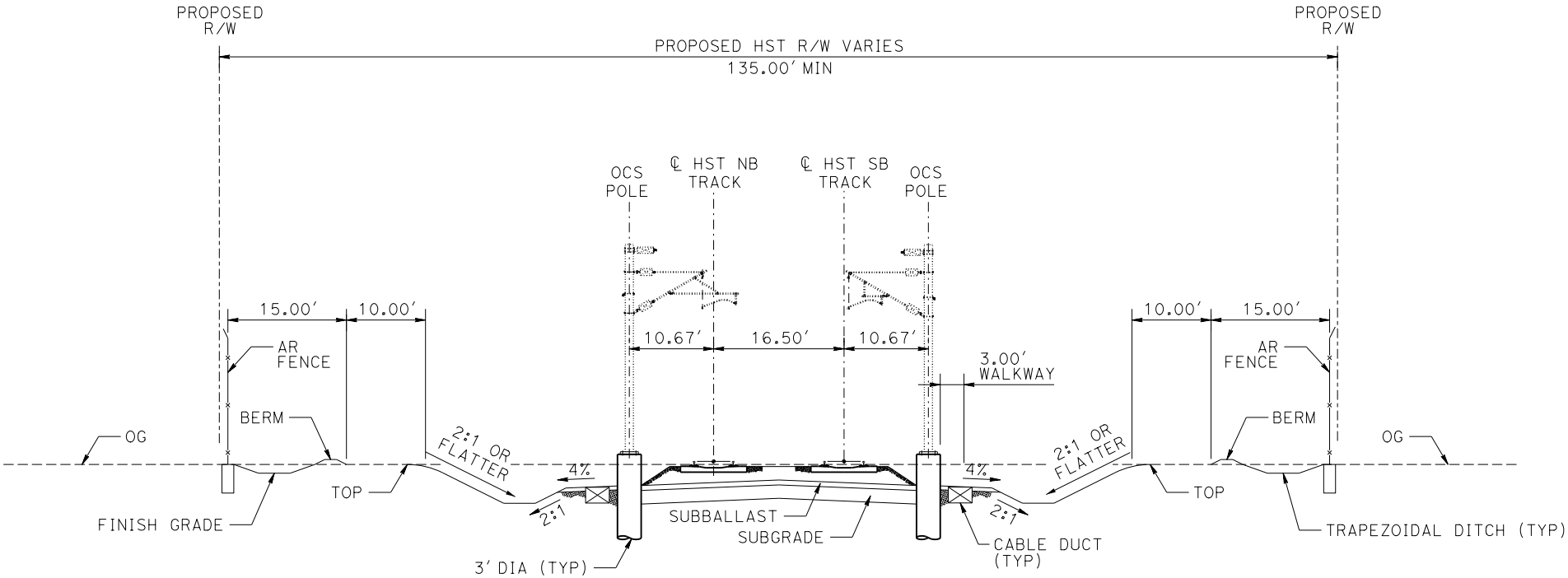
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE

TYPICAL SECTION

SHEET 9 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0028-A
SCALE N.T.S.
SHEET NO.

p005133g 26-OCT-2015 17:23 MF-TT-B0029-A.dgn



SECTION Q-Q
TWO TRACKS IN CUT

TANGENT N/A
STATION SJD-FRE 6610+51.40 TO 6643+00.00

NOTE:
1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 10 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0029-A
SCALE N.T.S.
SHEET NO.

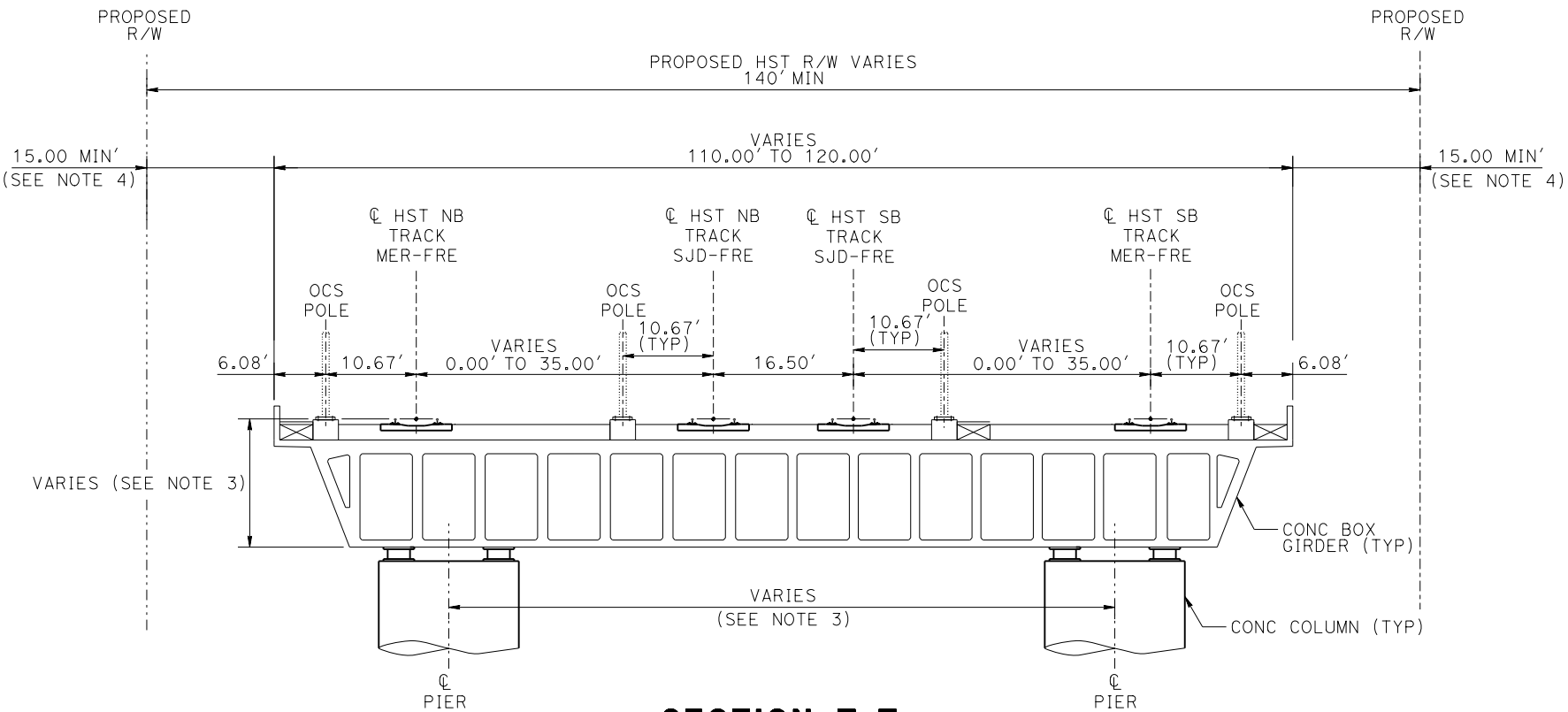
NOTE:
1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

SECTION T-T
TANGENT

STATION SJD-FRE 6577+68.00 TO 6579+18.00
STATION MER-FRE 14970+49.42 TO 14971+99.42 *

SUPERELEVATED
N/A

* TYPICAL SECTION IS VIEWED IN THE
DIRECTION OF DECREASING STATIONING.



SECTION T-T
FOUR TRACKS ON STRUCTURE

MF-TT-B0030-A.dgn
29-OCT-2015 01:40
p005133g

REV	DATE	BY	CHK	APP	DESCRIPTION

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IN CHARGE C. LEMLEY
DATE 10/30/2015

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CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 11 OF 12

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0030-A
SCALE N.T.S.
SHEET NO.

1. SEE DRAWING TT-B0020-A FOR
GENERAL TYPICAL SECTION NOTES.

N/A



REV	DATE	BY	CHK	APP	DESCRIPTION

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TYPICAL SECTION
SHEET 12 OF 12

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0031-A

SCALE
N.T.S.

SHEET NO.

p009448g 30-OCT-2015 01:52 MF-TT-B0050-A.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	POB	5338+00.00	1858051.11	6509106.39		13,071.16							S 89°46'01" E		
	TANGENT	TS	5468+71.16	1857997.95	6522177.45											
152 N-13 SJD-FRE 1 SB	CLOTHOID	TS	5468+71.16	1857997.95	6522177.45											
	CLOTHOID	SPI	5479+71.18	1857993.48	6523277.46		1,650.00	1°03'01.52"	824.99	2.52					S 89°46'01" E	S 88°43'00" E
	CLOTHOID	SC	5485+21.16	1857981.16	6523827.34											
	ARC	SC	5485+21.16	1857981.16	6523827.34											
	ARC	PI	5543+57.71	1857850.43	6529662.42	45,000.00	11,608.30	14°46'48.54"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E
	ARC	CC		1812992.45	6522819.41											
	ARC	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	CS	5601+29.46	1856235.43	6535271.09											
	CLOTHOID	SPI	5606+79.48	1856083.24	6535799.63		1,650.00	1°03'01.52"	824.99	2.52					S 73°56'11" E	S 72°53'10" E
	CLOTHOID	ST	5617+79.46	1855759.53	6536850.94											
	TANGENT	ST	5617+79.46	1855759.53	6536850.94		1,471.20							S 72°53'10" E		
	TANGENT	TS	5632+50.67	1855326.60	6538257.00											
152 N-13 SJD-FRE 2 SB	CLOTHOID	TS	5632+50.67	1855326.60	6538257.00											
	CLOTHOID	SPI	5642+84.02	1855022.51	6539244.60		1,550.00	0°59'11.04"	774.99	2.22					S 72°53'10" E	S 73°52'21" E
	CLOTHOID	SC	5648+00.67	1854878.99	6539740.94											
	ARC	SC	5648+00.67	1854878.99	6539740.94											
	ARC	PI	5706+82.43	1853245.16	6545391.23	45,016.50	11,697.26	14°53'16.63"			250	3.75	1.80		S 73°52'21" E	S 88°45'37" E
	ARC	CC		1898123.88	6552245.52											
	ARC	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	CS	5764+97.92	1853117.92	6551271.61											
	CLOTHOID	SPI	5770+14.60	1853106.74	6551788.17		1,550.00	0°59'11.04"	774.99	2.22					S 88°45'37" E	S 89°44'48" E
	TANGENT	ST	5780+47.92	1853102.17	6552821.51		21,750.44							S 89°44'48" E		
	TANGENT	TS	5997+98.36	1853006.03	6574571.74											
152 N-13 SJD-FRE 3 SB	CLOTHOID	TS	5997+98.36	1853006.03	6574571.74										S 89°44'48" E	S 89°49'45" E
	CLOTHOID	SPI	6005+65.03	1853002.64	6575338.40		1,150.00	0°04'56.49"	575	0.14						
	CLOTHOID	SC	6009+48.36	1853001.49	6575721.73											
	ARC	SC	6009+48.36	1853001.49	6575721.73											
	ARC	PI	6015+60.56	1852999.67	6576333.93	400,016.50	1,224.40	0°10'31.35"			250	0.50	0.12		S 89°49'45" E	N 89°59'44" E
	ARC	CC		2253016.21	6576914.92											
	ARC	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	CS	6021+72.76	1852999.72	6576946.13											
	CLOTHOID	SPI	6025+56.10	1852999.75	6577329.46		1,150.00	0°04'56.49"	575	0.14					N 89°59'44" E	N 89°54'47" E
	CLOTHOID	ST	6033+22.76	1853000.91	6578096.13											

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 10/30/2015

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 1 OF 7

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0050-A
SCALE N.T.S.
SHEET NO.

p0042226 10-FEB-2016 09:17 MF-TT-B0051-A.dgn

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")	
				NORTHING	EASTING										START ANGLE	END ANGLE
	TANGENT	ST	6033+22.76	1853000.91	6578096.13		26,412.96							N 89°54'47" E		
	TANGENT	TS	6297+35.73	1853040.94	6604509.06											
152 N-13 SJD-FRE 4 SB	CLOTHOID	TS	6297+35.73	1853040.94	6604509.06											
	CLOTHOID	SPI	6305+02.39	1853042.10	6605275.73		1,150.00	0°06'04.91"	575	0.17					N 89°54'47" E	N 89°48'43" E
	CLOTHOID	SC	6308+85.73	1853043.36	6605659.06											
	ARC	SC	6308+85.73	1853043.36	6605659.06											
	ARC	PI	6314+61.49	1853045.25	6606234.82	325,016.50	1,151.53	0°12'10.79"			250	0.50	0.27		N 89°48'43" E	N 89°36'32" E
	ARC	CC		2178058.10	6604591.51											
	ARC	CS	6320+37.25	1853049.18	6606810.57											
	CLOTHOID	CS	6320+37.25	1853049.18	6606810.57											
	CLOTHOID	SPI	6324+20.59	1853051.80	6607193.90		1,150.00	0°06'04.91"	575	0.17					N 89°36'32" E	N 89°30'27" E
	CLOTHOID	ST	6331+87.25	1853058.39	6607960.53											
	TANGENT	ST	6331+87.25	1853058.39	6607960.53		27,864.15							N 89°30'27" E		
	TANGENT	TS	6610+51.40	1853297.92	6635823.65											
152 N-13 SJD-FRE 5 SB	CLOTHOID	TS	6610+51.40	1853297.92	6635823.65											
	CLOTHOID	SPI	6618+18.07	1853304.51	6636590.29		1,150.00	0°32'56"	575	0.92					N 89°30'27" E	N 88°57'31" E
	CLOTHOID	SC	6622+01.40	1853311.48	6636973.57											
	ARC	SC	6622+01.40	1853311.48	6636973.57											
	ARC	PI	6629+70.86	1853325.47	6637742.90	60,016.50	1,538.84	1°28'09"			250	2.75	1.42		N 88°57'31" E	N 87°29'22" E
	ARC	CC		1913318.07	6635882.68											
	ARC	CS	6637+40.24	1853359.17	6638511.62											
	CLOTHOID	CS	6637+40.24	1853359.17	6638511.62											
	CLOTHOID	SPI	6641+23.58	1853375.96	6638894.59		1,150.00	0°32'56"	575	0.92					N 87°29'22" E	N 86°56'26" E
	CLOTHOID	ST	6648+90.24	1853416.88	6639660.17											
	TANGENT	ST	6648+90.24	1853416.88	6639660.17		4,599.89							N 86°56'26" E		
	TANGENT	TS	6694+90.13	1853662.39	6644253.51											
	CLOTHOID	TS	6694+90.13	1853662.39	6644253.51											
152 N-13 SJD-FRE 6 SB	CLOTHOID	SPI	6706+56.83	1853724.66	6645418.54		1,750.00	1°19'10"	874.98	3.36					N 86°56'26" E	N 88°15'35" E
	CLOTHOID	SC	6712+40.13	1853742.38	6646001.64											
	ARC	SC	6712+40.13	1853742.38	6646001.64											
	ARC	PI	6873+30.89	1854231.01	6662084.97	38,000.00	30,441.76	45°53'58"			250	4.25	2.33		N 88°15'35" E	N 45°50'26" E
	ARC	CC		1815759.91	6647155.60											
	ARC	CS	7016+81.89	1843021.28	6673628.56											
	CLOTHOID	CS	7016+81.89	1843021.28	6673628.56											
	CLOTHOID	SPI	7022+65.25	1842614.87	6674047.06		1,750.00	1°19'10"	874.98	3.36					N 45°50'26" E	S 44°31'17" E
	CLOTHOID	ST	7034+31.89	1841783.03	6674865.12											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
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NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
SB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 2 OF 7

CONTRACT NO. HSR08-05
DRAWING NO. TT-B0051-A
SCALE N.T.S.
SHEET NO.

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - SOUTHBOUND TRACK SAN JOSE TO FRESNO

[illegible]

TRACK ALIGNMENT DATA SUMMARY TABLE - SR-152 NORTH TO ROAD 13 WYE - NORTHBOUND TRACK SAN JOSE TO FRESNO

CURVE NUMBER	ELEMENT	POINT TYPE	STATION	COORDINATES		RADIUS (FT)	LENGTH (FT)	DELTA Δ	K	P	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	WCB (0°00'00") (TANGENT)	WCB (0°00'00")		
				NORTHING	EASTING										START ANGLE	END ANGLE	
	TANGENT	POB	5338+00.00	1858067.61	6509106.46		13,071.16							S 89°46'01" E			
	TANGENT	TS	5468+71.16	1858014.45	6522177.51												
152 N-13 SJD-FRE 1 NB	CLOTHOID	TS	5468+71.16	1858014.45	6522177.51												
	CLOTHOID	SPI	5479+71.18	1858009.98	6523277.52		1,650.00	1°03'00"	824.99	2.52					S 89°46'01" E	S 88°43'00" E	
	CLOTHOID	SC	5485+21.16	1857997.66	6523827.40												
	ARC	SC	5485+21.16	1857997.66	6523827.40												
	ARC	PI	5543+60.16	1857866.92	6529664.94	45,016.50	11,613.16	14°46'51"			250	3.75	1.81		S 88°43'00" E	S 73°56'11" E	
	ARC	CC		1812992.45	6522819.41												
	ARC	CS	5601+34.33	1856251.21	6535275.95												
	CLOTHOID	CS	5601+34.33	1856251.21	6535275.95												
	CLOTHOID	SPI	5606+84.34	1856099.01	6535804.49		1,650.00	1°03'00"	824.99	2.52					S 73°56'11" E	S 72°53'10" E	
	CLOTHOID	ST	5617+84.33	1855775.30	6536855.80												
	TANGENT	ST	5617+84.33	1855775.30	6536855.80		1,471.20							S 72°53'10" E			
	TANGENT	TS	5632+55.53	1855342.37	6538261.86												
152 N-13 SJD-FRE 2 NB	CLOTHOID	TS	5632+55.53	1855342.37	6538261.86												
	CLOTHOID	SPI	5642+88.88	1855038.28	6539249.45		1,550.00	0°59'12"	774.99	2.22					S 72°53'10" E	S 73°52'22" E	
	CLOTHOID	SC	5648+05.53	1854894.76	6539745.80												
	ARC	SC	5648+05.53	1854894.76	6539745.80												
	ARC	PI	5706+84.84	1853261.65	6545393.75	45,000.00	11,692.40	14°53'14"			250	3.75	1.80		S 73°52'22" E	S 88°45'36" E	
	ARC	CC		1898123.88	6552245.52												
	ARC	CS	5764+97.93	1853134.42	6551271.69												
	CLOTHOID	CS	5764+97.93	1853134.42	6551271.69												
	CLOTHOID	SPI	5770+14.61	1853123.24	6551788.25		1,550.00	0°59'12"	774.99	2.22					S 88°45'36" E	S 89°44'48" E	
	CLOTHOID	ST	5780+47.93	1853118.67	6552821.59												
	TANGENT	ST	5780+47.93	1853118.67	6552821.59		21,750.44							S 89°44'48" E			
	TANGENT	TS	5997+98.37	1853022.53	6574571.81												
153 N-13 SJD-FRE 3 NB	CLOTHOID	TS	5997+98.37	1853022.53	6574571.81										S 89°44'48" E	S 89°49'45" E	
	CLOTHOID	SPI	6005+65.03	1853019.14	6575338.47		1,150.00	0°04'57"	575.00	0.14							
	CLOTHOID	SC	6009+48.37	1853017.99	6575721.80												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
IN CHARGE	C. LEMLEY
DATE	10/30/2015

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
NB TRACK SAN JOSE TO FRESNO GEOMETRY DATA
SHEET 3 OF 7

CONTRACT NO.	HSR08-05
DRAWING NO.	TT-B0052-A
SCALE	N.T.S.
SHEET NO.	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
IN CHARGE	C. LEMLEY
DATE	10/30/2015

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CONTRACT NO.
HSR08-05

DRAWING NO.
TT-B0053-A

SCALE
N.T.S.

SHEET NO.



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0224004

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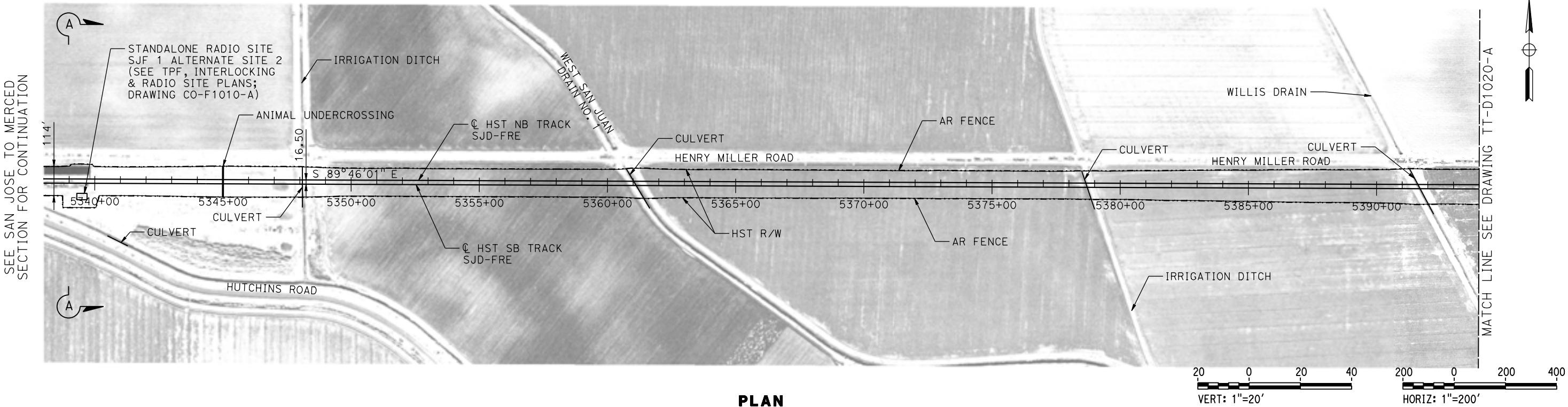
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					DRAWN BY M. TACTAY	DRAWING NO. TT-B0055-A					
					CHECKED BY E. CASTELI	SCALE N.T.S.					
					IN CHARGE C. LEMLEY	SHEET NO.					
					DATE 03/18/2016						
REV	DATE	BY	CHK	APP	DESCRIPTION						

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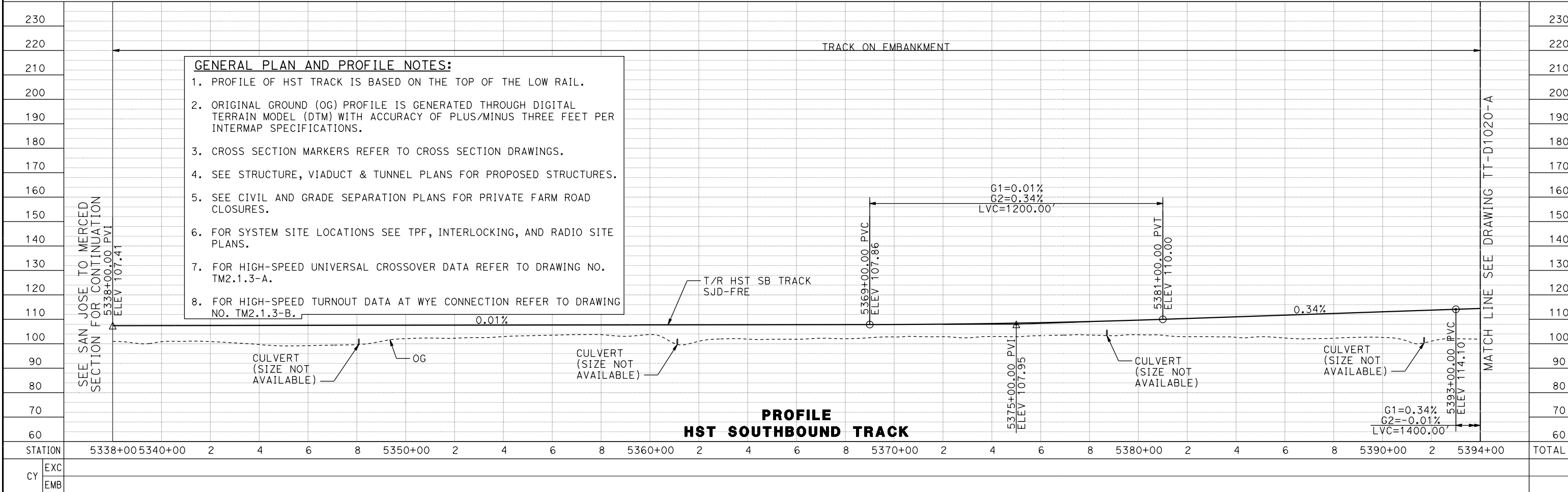
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MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

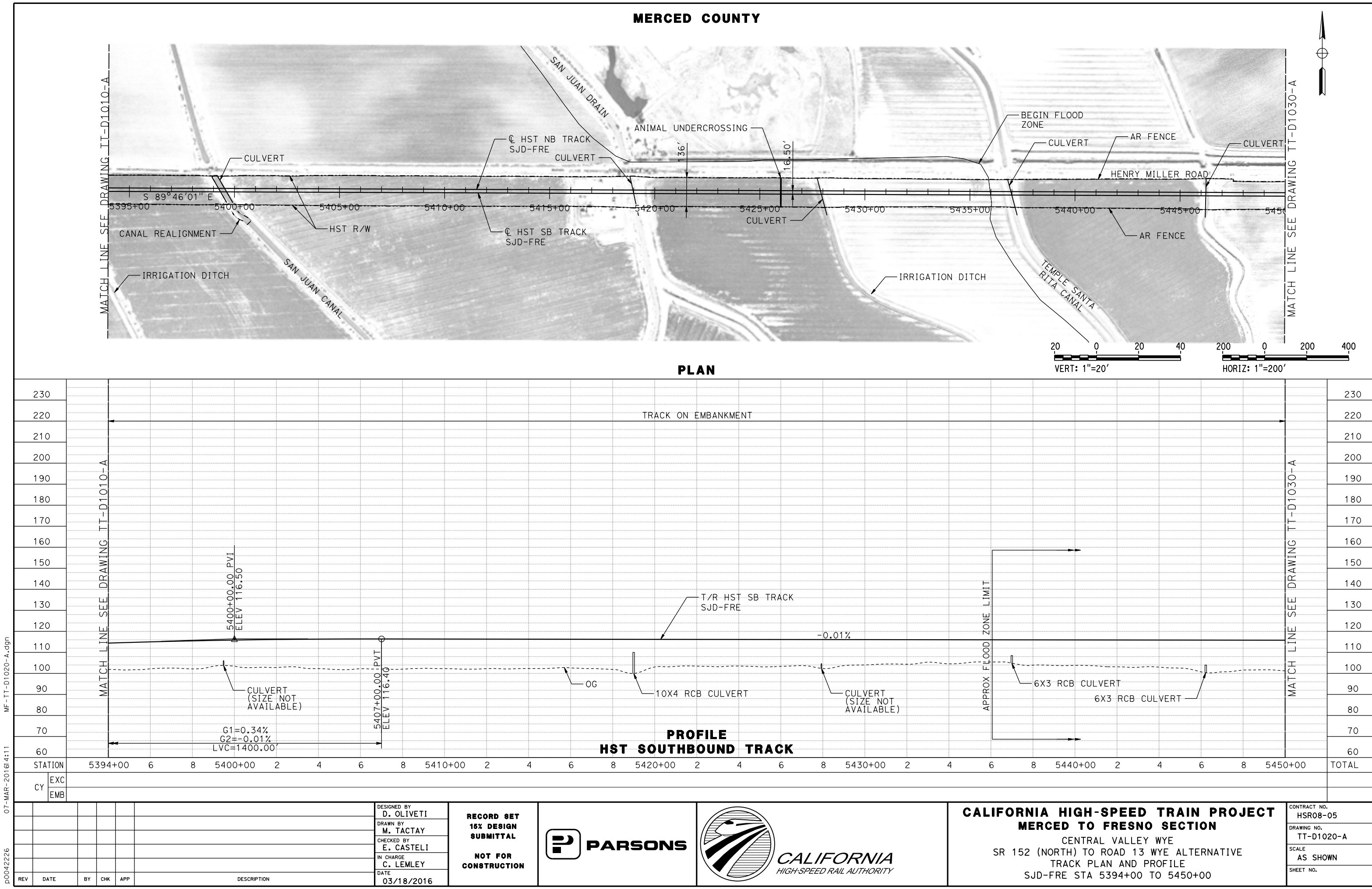
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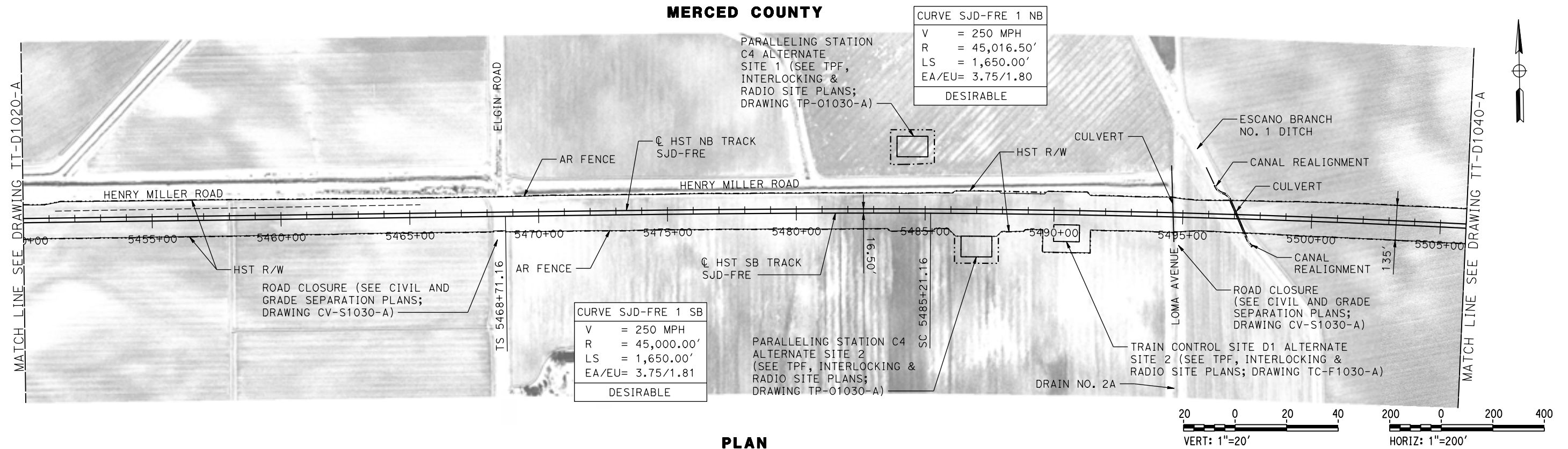
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CONSTRUCTION



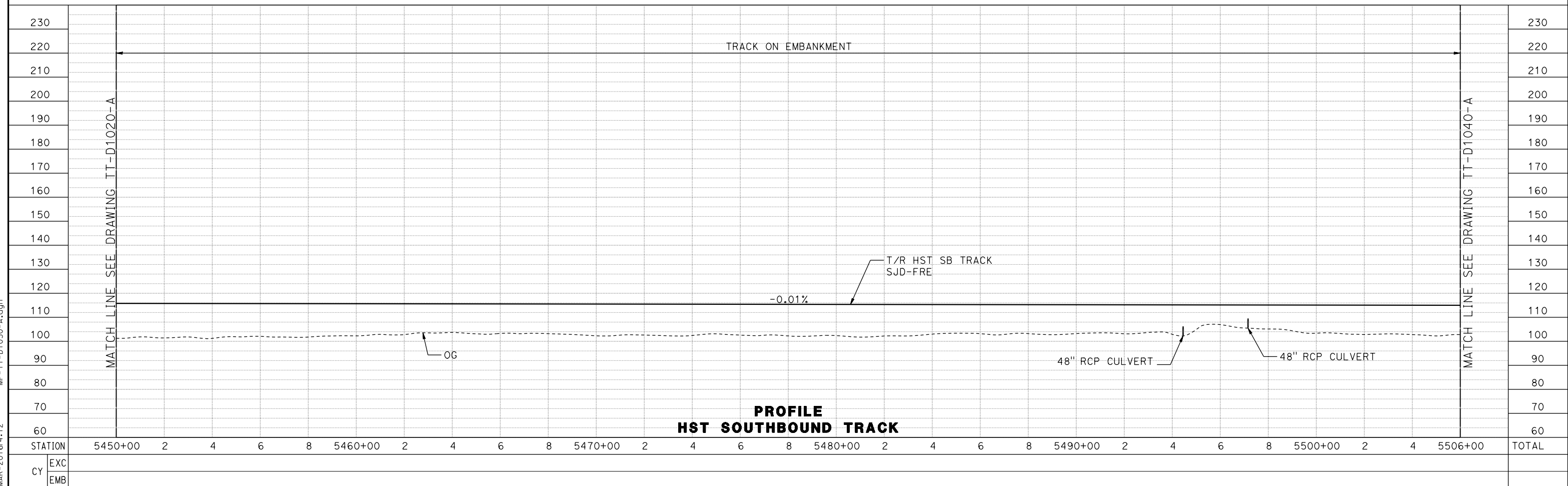
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5338+00 TO 5394+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1010-A
SCALE AS SHOWN
SHEET NO.



MERCED COUNTY

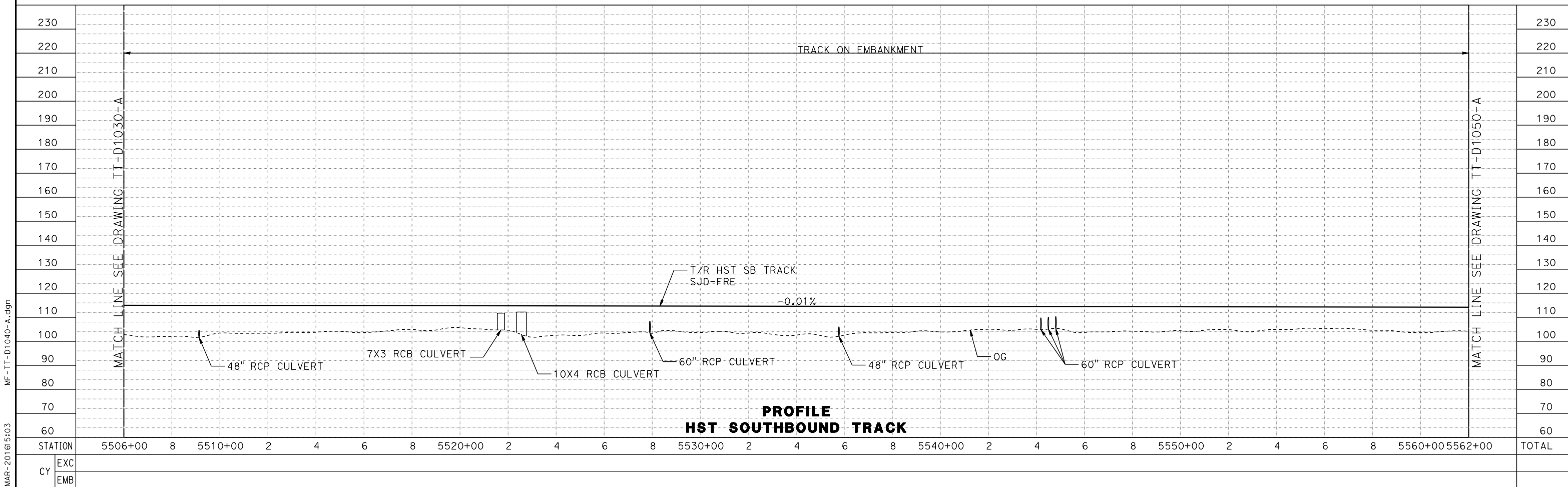
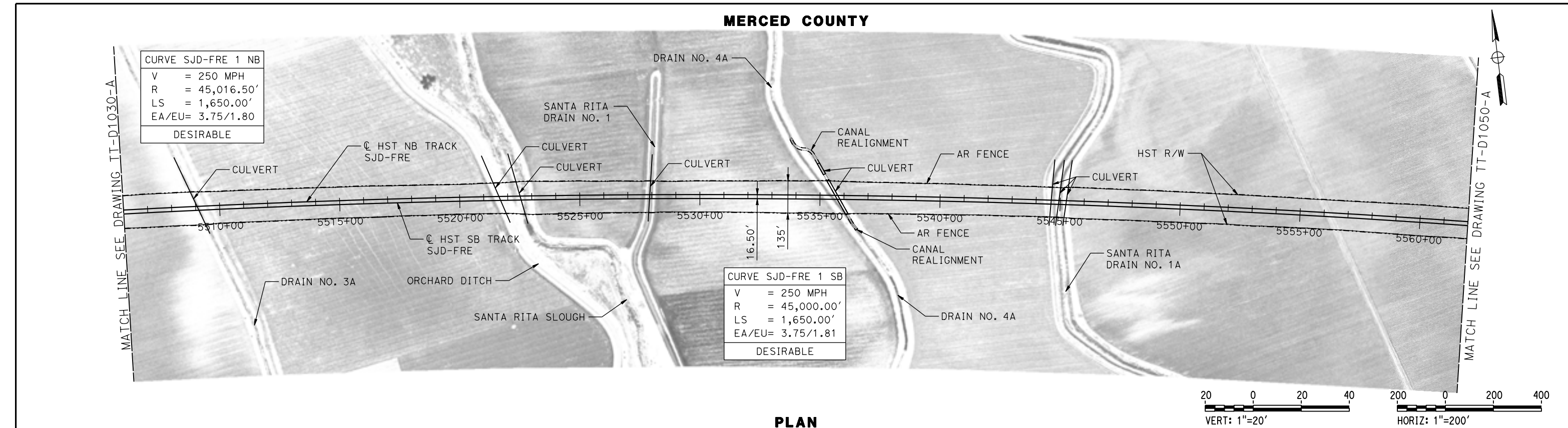
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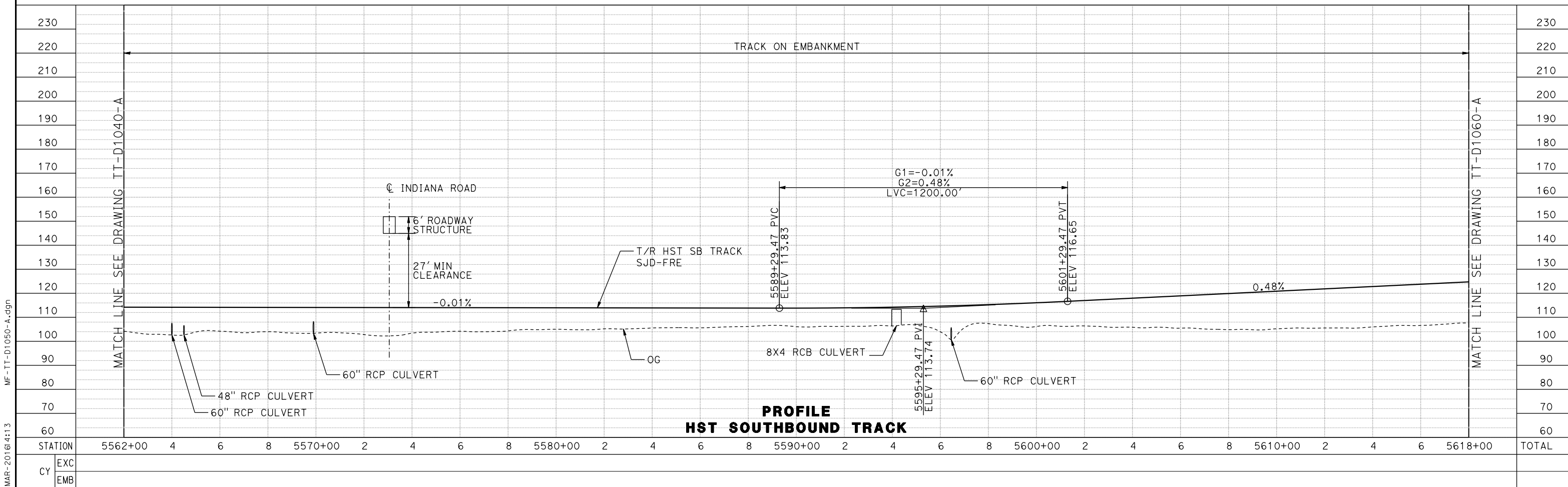
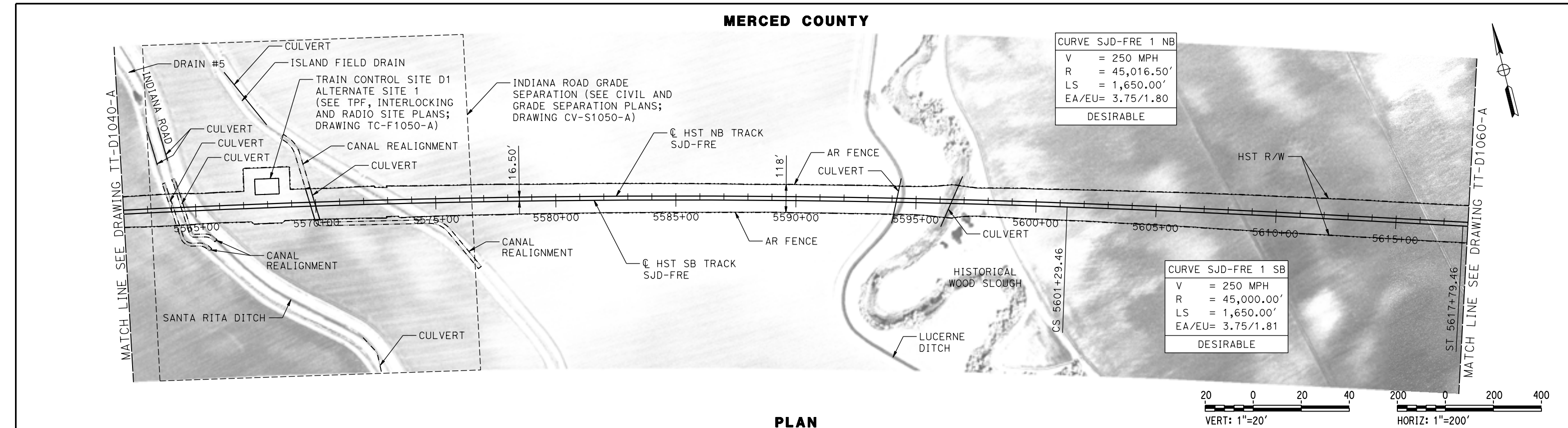
PROFILE

HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5450+00 TO 5506+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1030-A
						CHECKED BY N. OUM					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

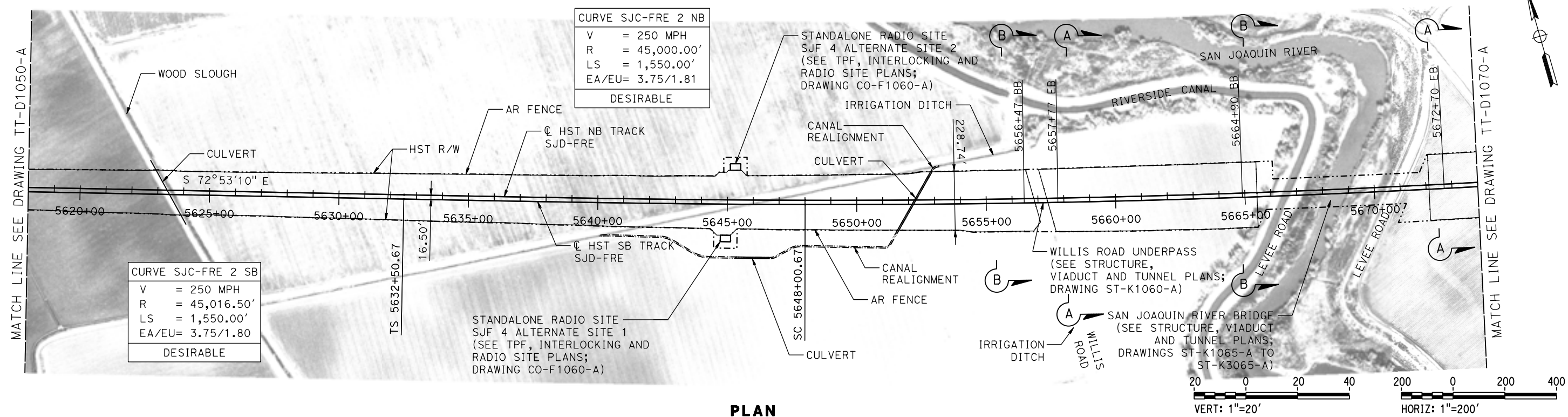


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					DRAWN BY M. TACTAY					DRAWING NO. TT-D1040-A
					CHECKED BY E. CASTELI					SCALE AS SHOWN
					IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016				

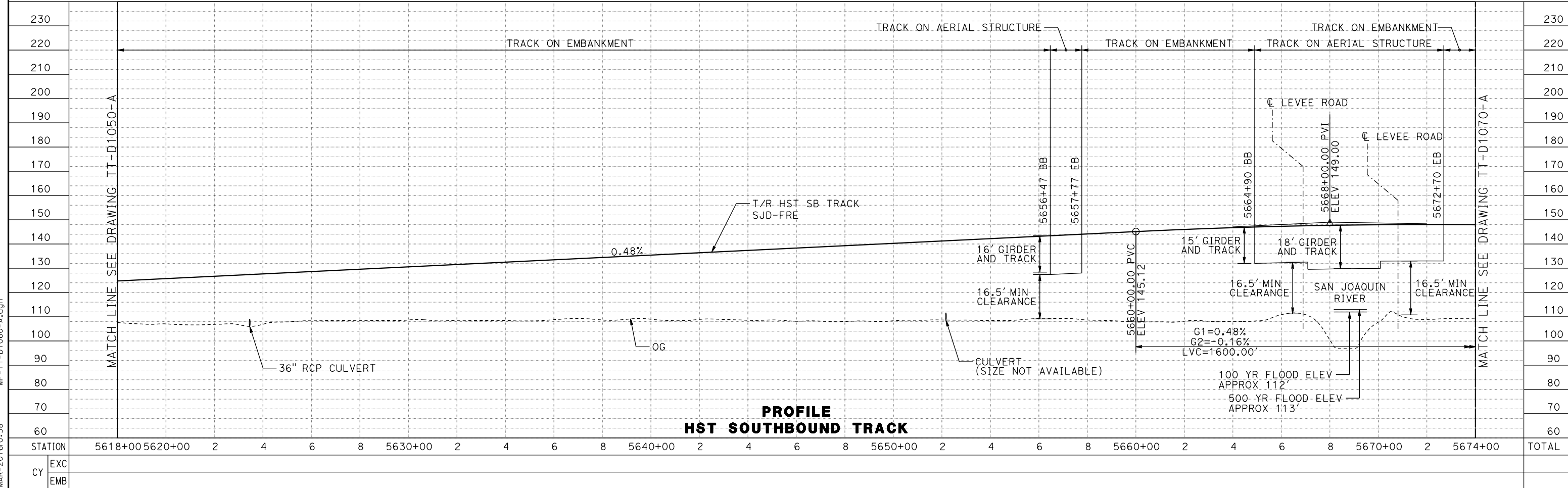


DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5562+00 TO 5618+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY										DRAWING NO. TT-D1050-A
CHECKED BY E. CASTELI										SCALE AS SHOWN
IN CHARGE C. LEMLEY										SHEET NO.
DATE 03/18/2016										
REV	DATE	BY	CHK	APP	DESCRIPTION					

MERCED COUNTY



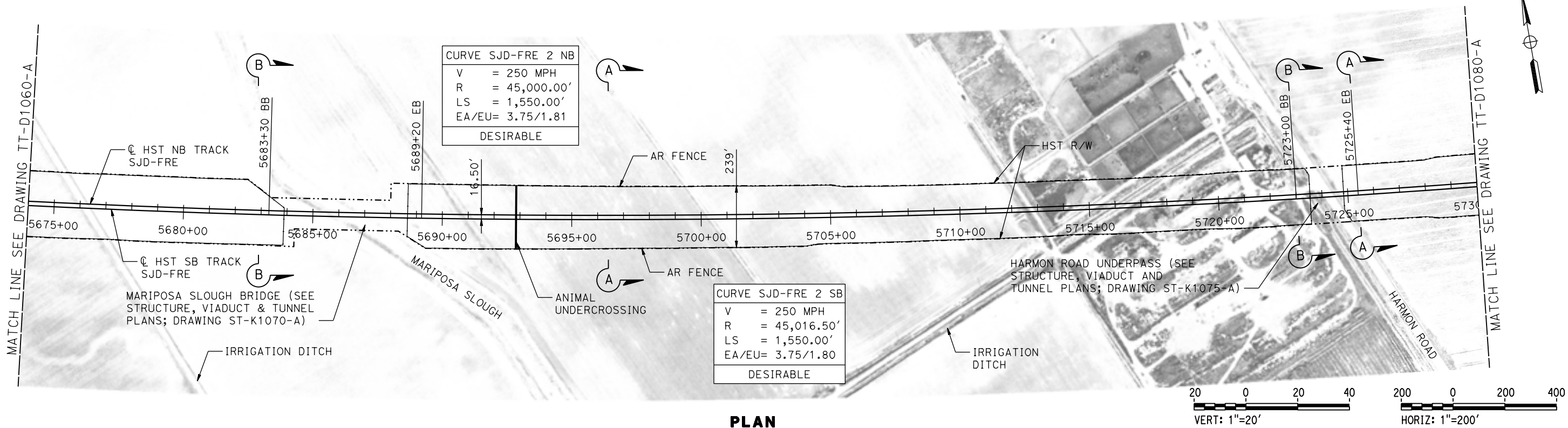
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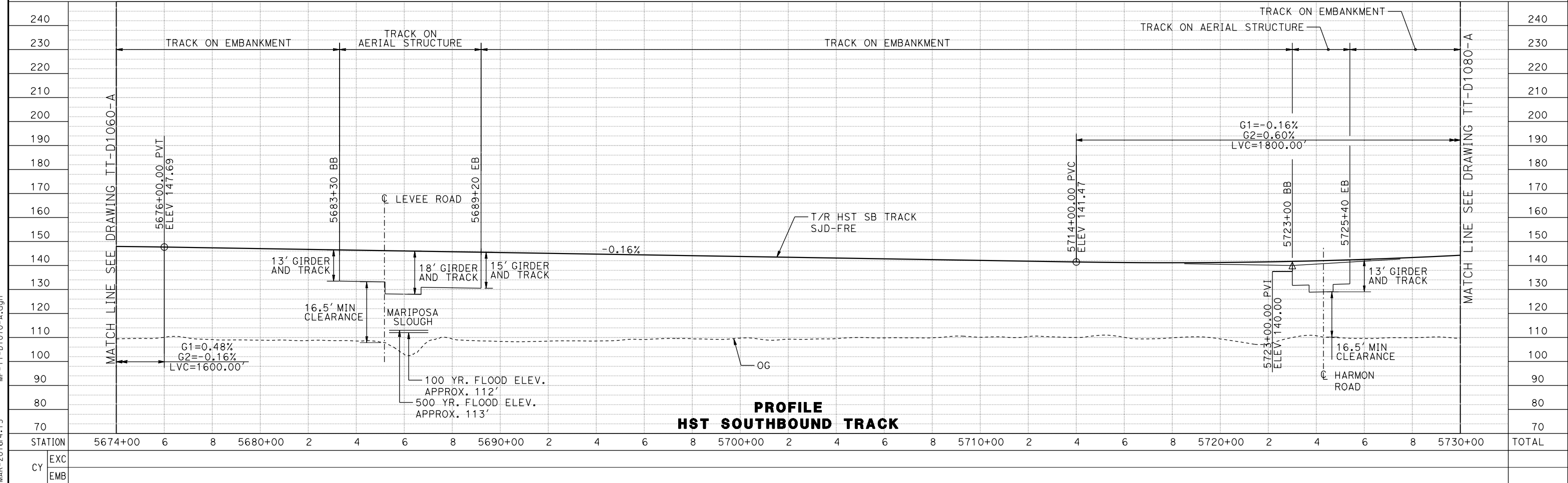
DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL	NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5618+00 TO 5674+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY						DRAWING NO. TT-D1060-A
CHECKED BY E. CASTELI						SCALE AS SHOWN
IN CHARGE C. LEMLEY						SHEET NO.
DATE 03/18/2016						

REV	DATE	BY	CHK	APP	DESCRIPTION

MERCED COUNTY

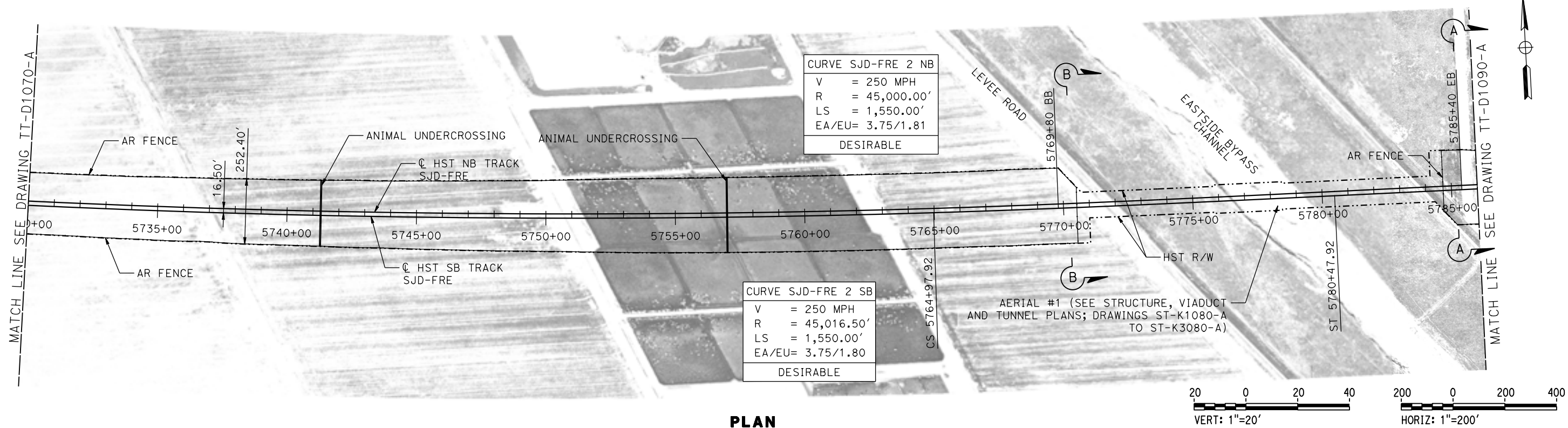


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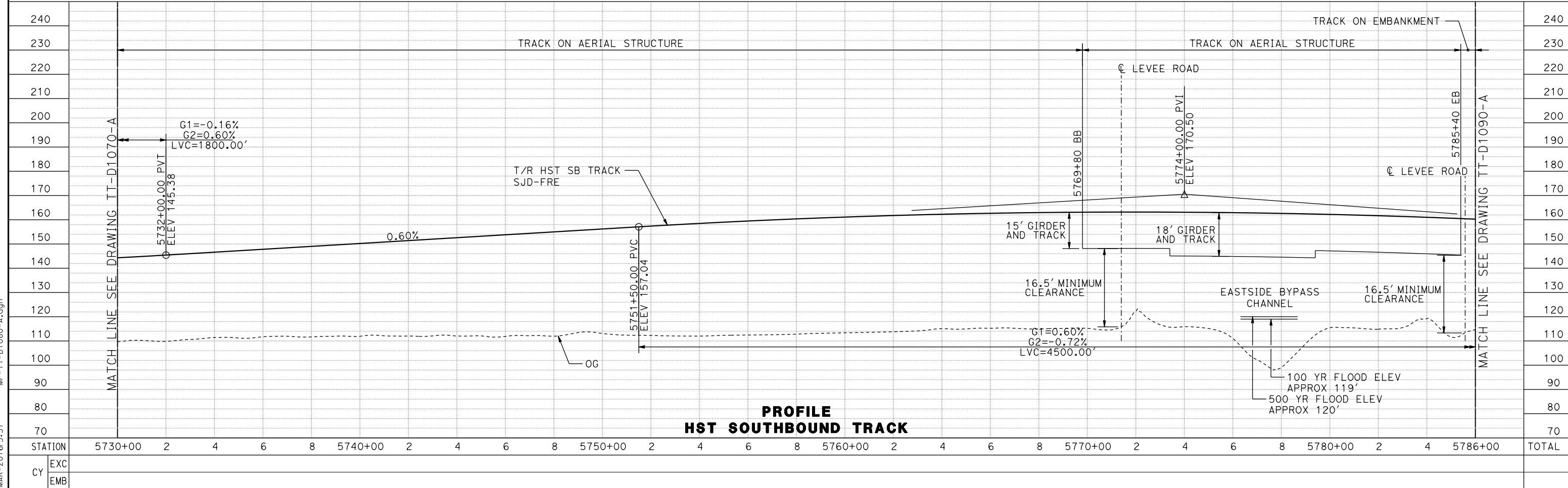


<div>DESIGNED BY D. OLIVETI DRAWN BY M. TACTAY CHECKED BY E. CASTELI IN CHARGE C. LEMLEY DATE 03/18/2016</div>					<div>RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION</div>		<div>PARSONS</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5674+00 TO 5730+00</div>			<div>CONTRACT NO. HSR08-05 DRAWING NO. TT-D1070-A SCALE AS SHOWN SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

07-MAR-2016 16:51:37 MF-TT-D1080-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

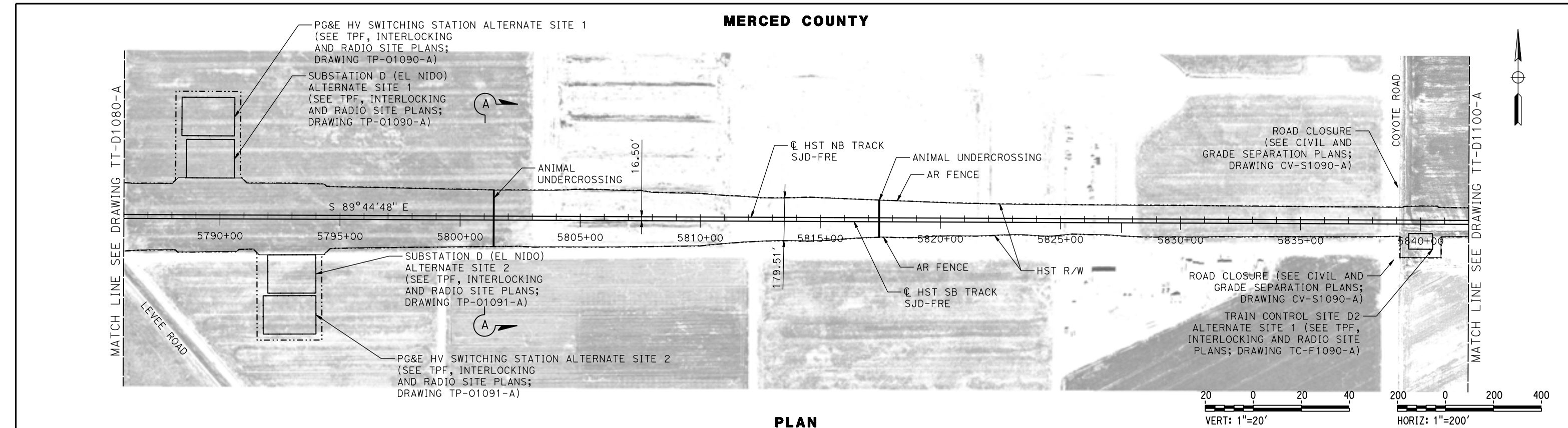
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15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

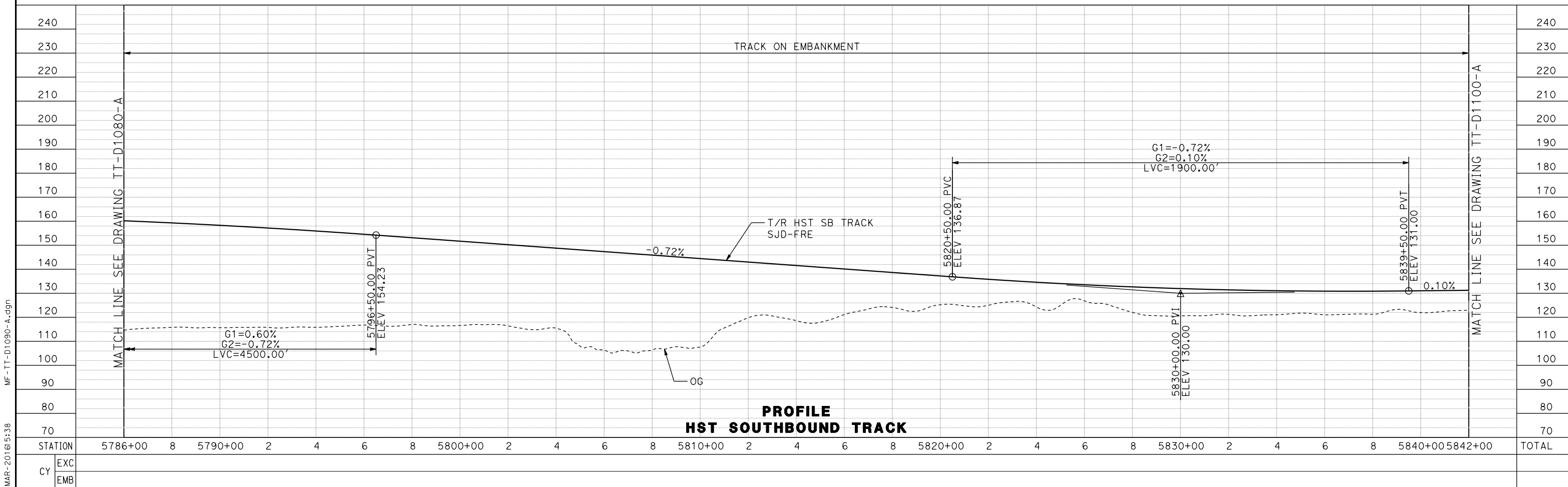


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5730+00 TO 5786+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1080-A
SCALE AS SHOWN
SHEET NO.



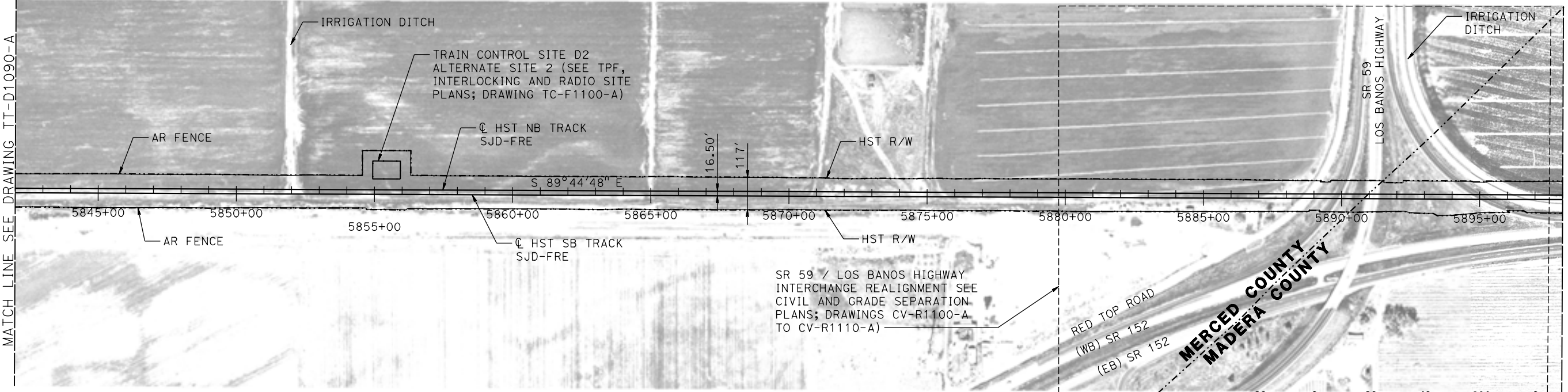
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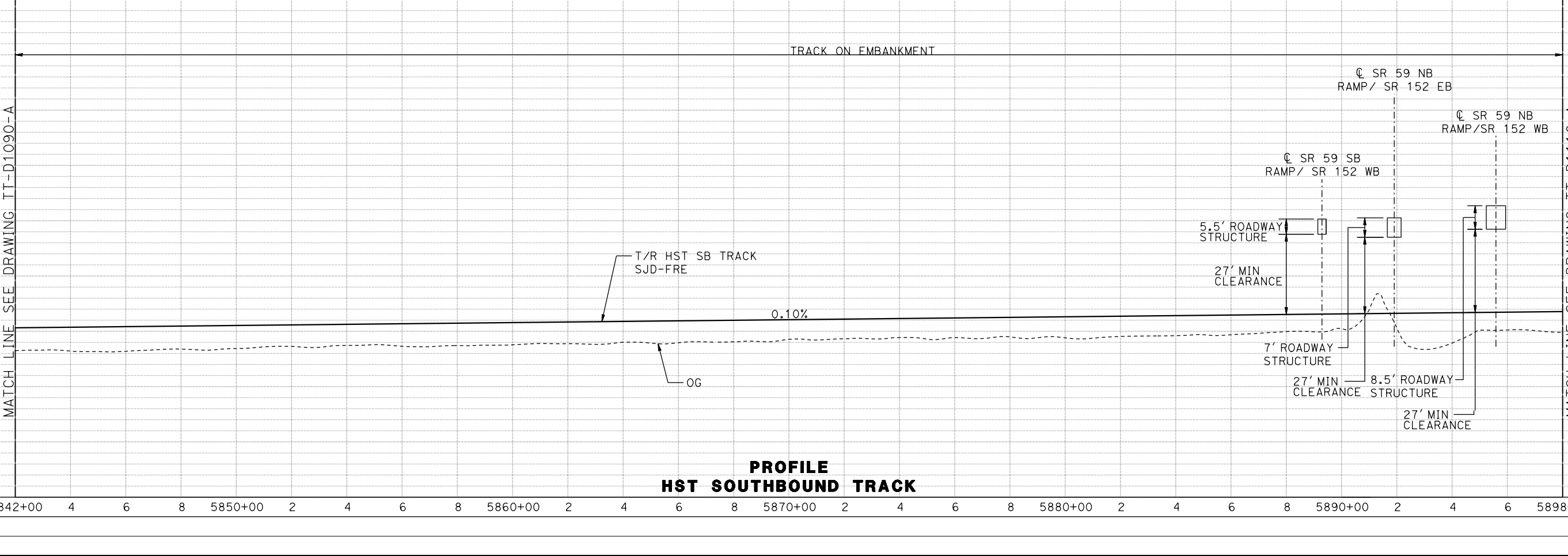
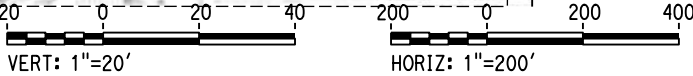
PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI						RECORD SET 15% DESIGN SUBMITTAL						NOT FOR CONSTRUCTION						CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION						CONTRACT NO. HSR08-05					
DRAWN BY M. TACTAY						CHECKED BY E. CASTELI						IN CHARGE C. LEMLEY						CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5786+00 TO 5842+00						DRAWING NO. TT-D1090-A					
DATE 03/18/2016																								SCALE AS SHOWN					
																								SHEET NO.					
REV	DATE	BY	CHK	APP	DESCRIPTION																								

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1100-A.dgn
08-MAR-2016 04:51
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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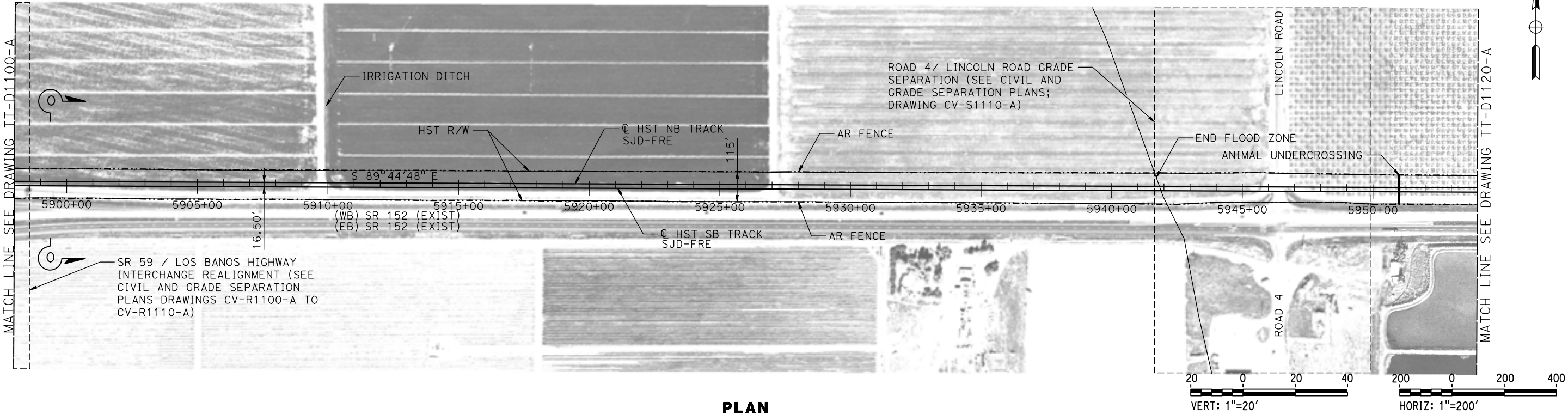
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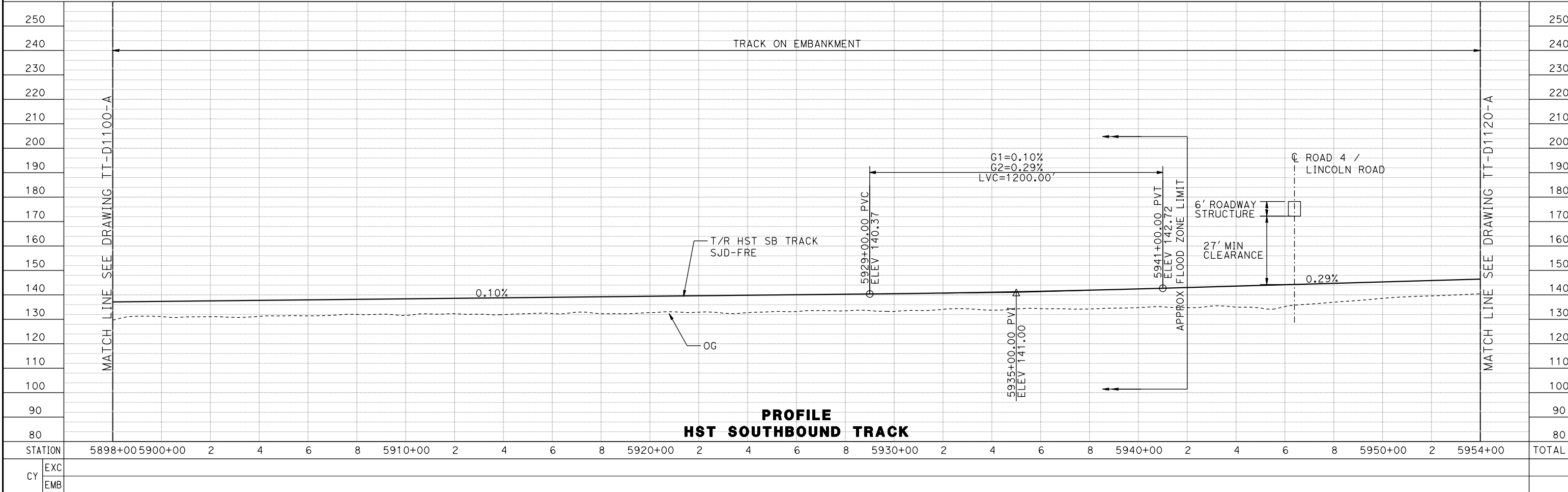
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 5842+00 TO 5898+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1100-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



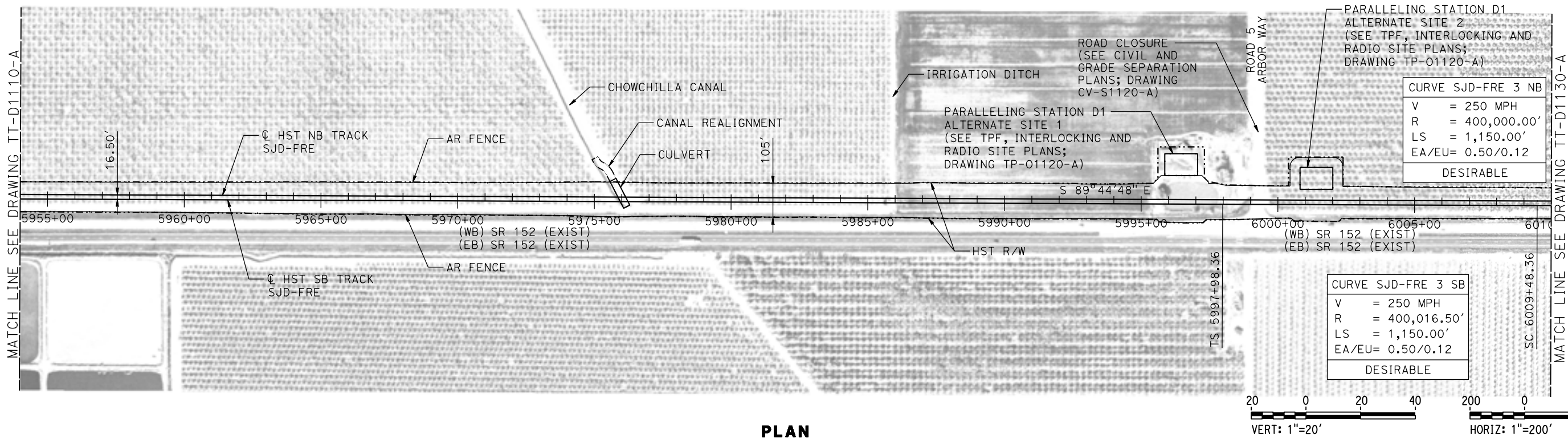
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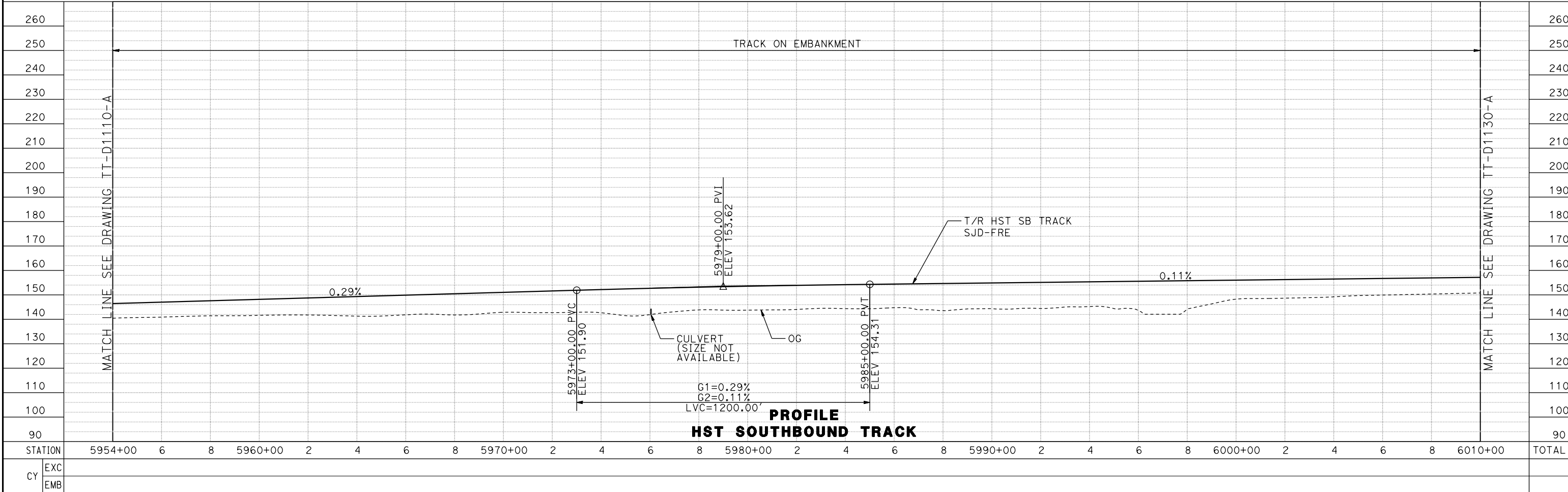
PROFILE
HST SOUTHBOUND TRACK

<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY M. TACTAY</div> <div>CHECKED BY E. CASTELI</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>						<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5898+00 TO 5954+00</div>				<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1110-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										



MADERA COUNTY



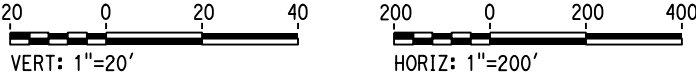
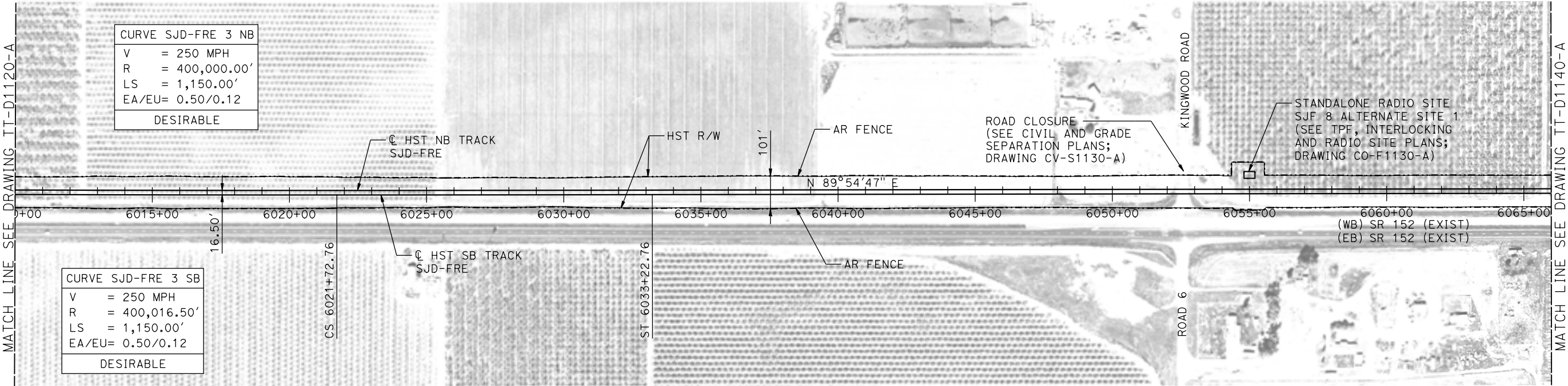
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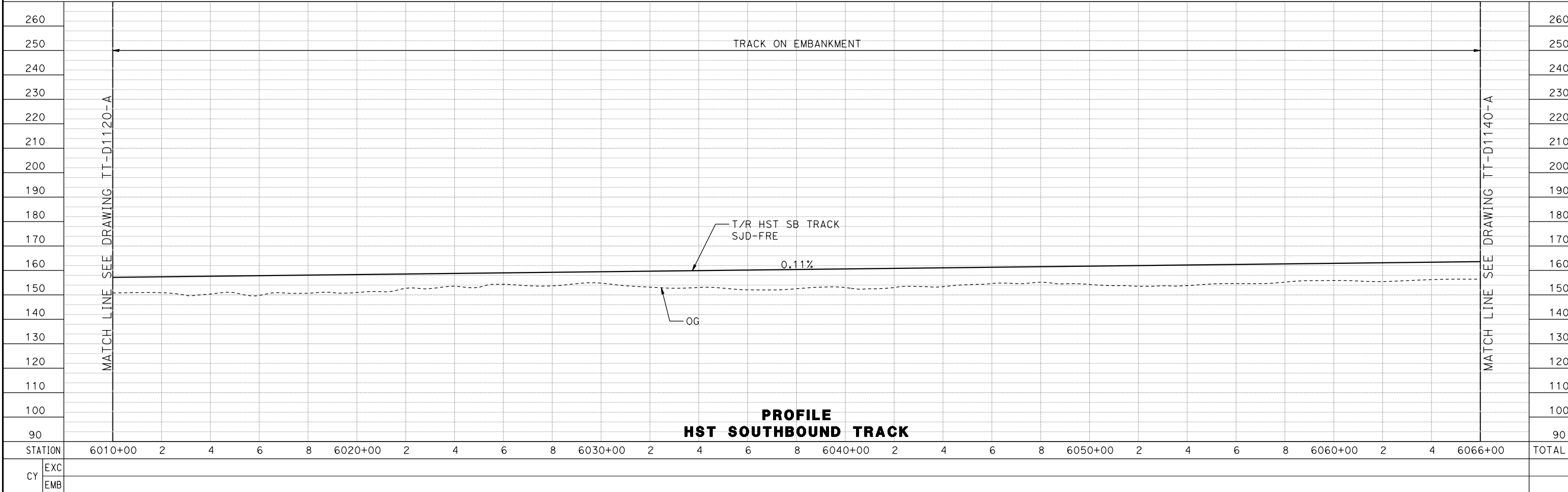
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 5954+00 TO 6010+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1120-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					



MADERA COUNTY



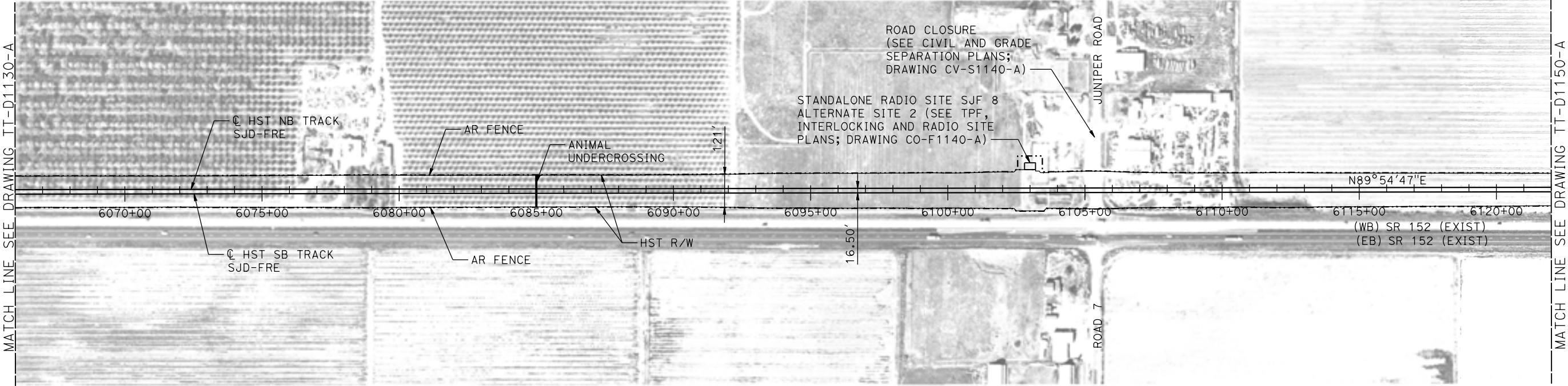
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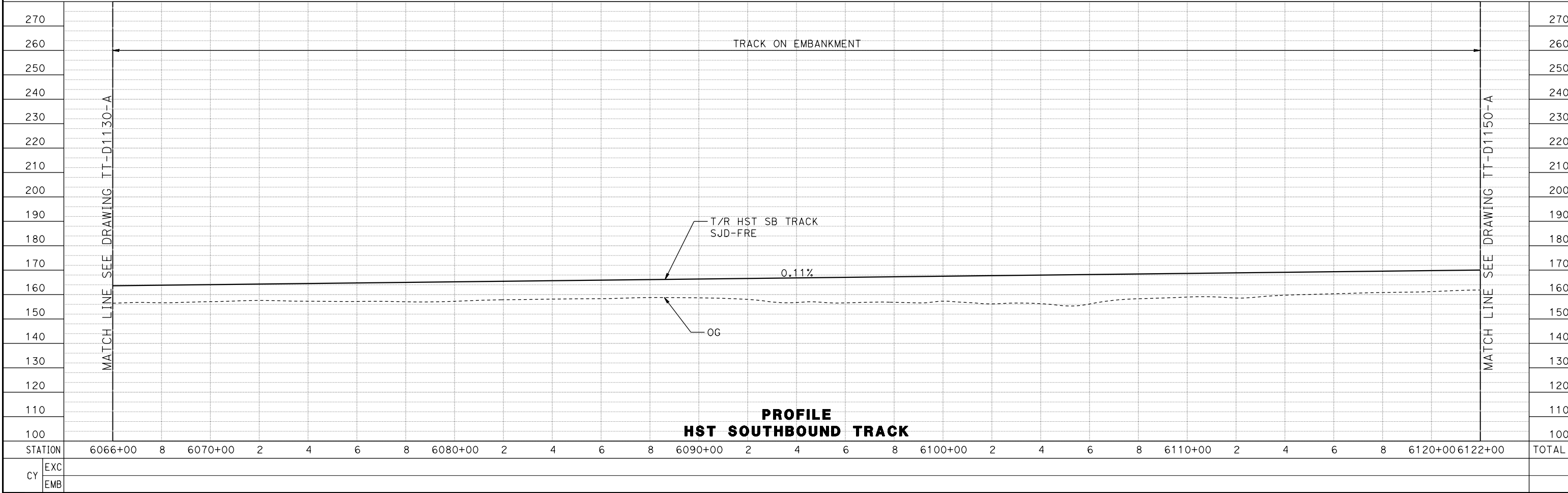
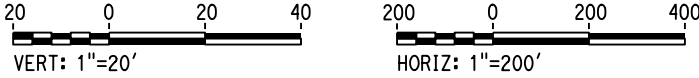
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE 03/18/2016SJD-FRE STA 6010+00 TO 6066+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1130-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

MADERA COUNTY



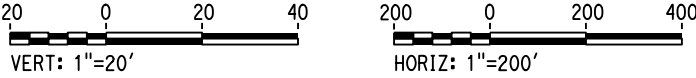
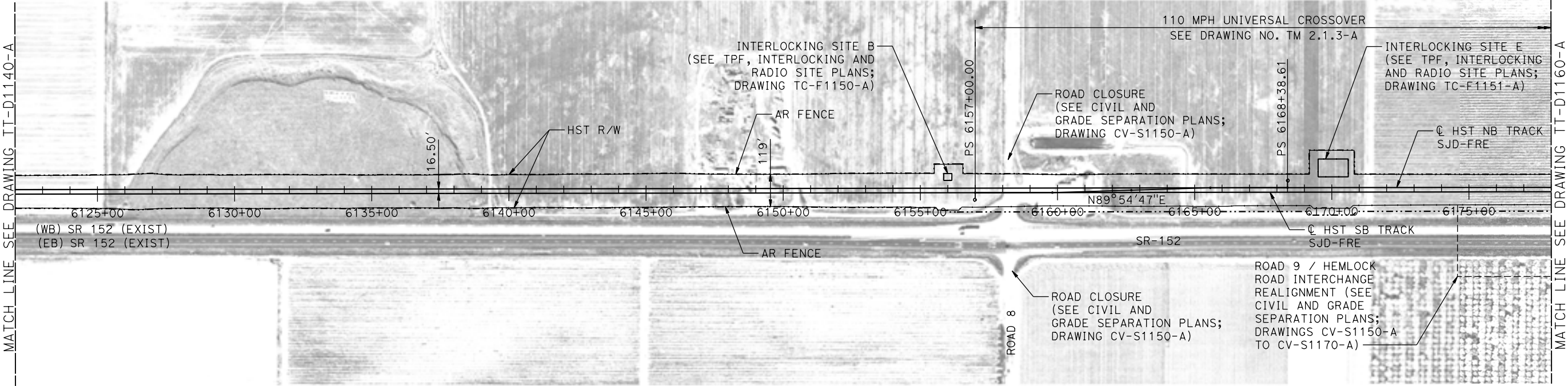
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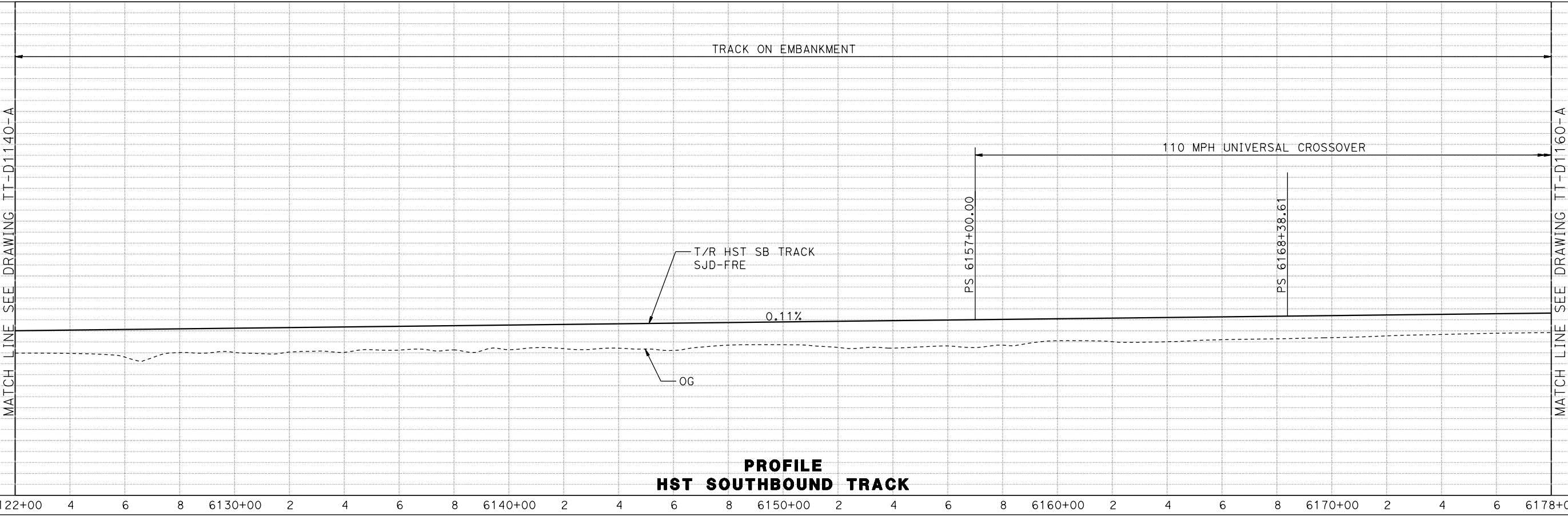
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6066+00 TO 6122+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1140-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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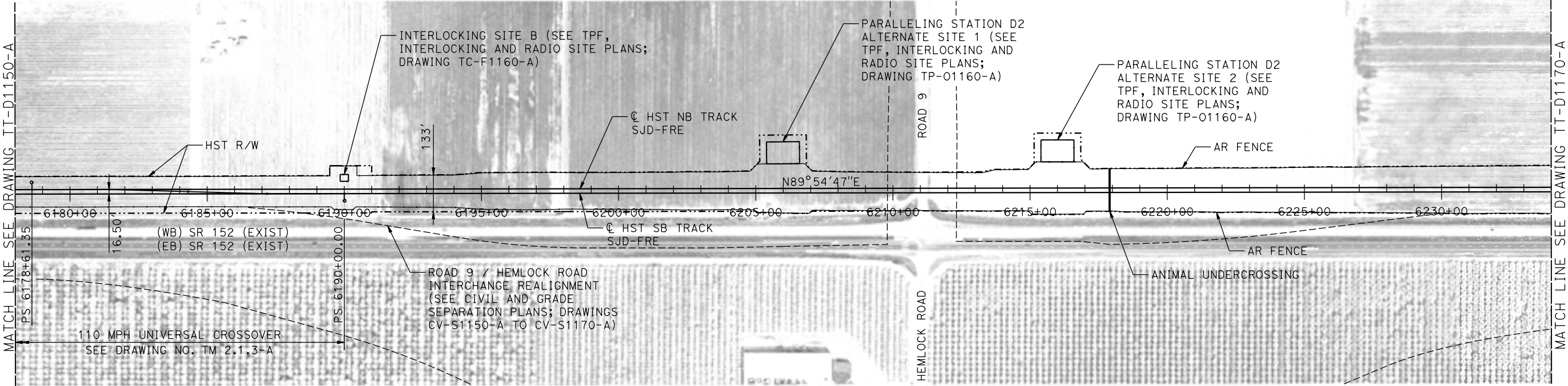
NOT FOR
CONSTRUCTION



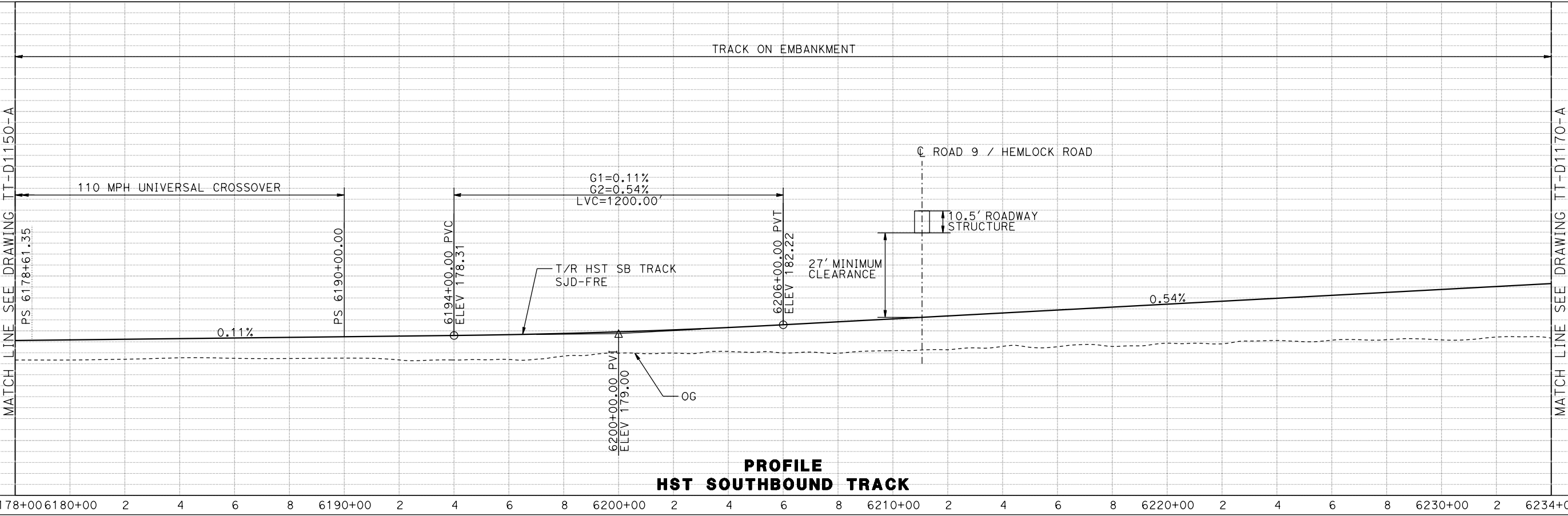
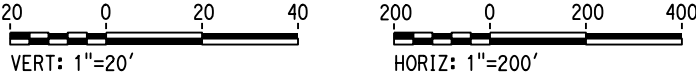
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6122+00 TO 6178+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1150-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

08-MAR-2016 04:58 MF-TT-D1160-A.dgn

0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

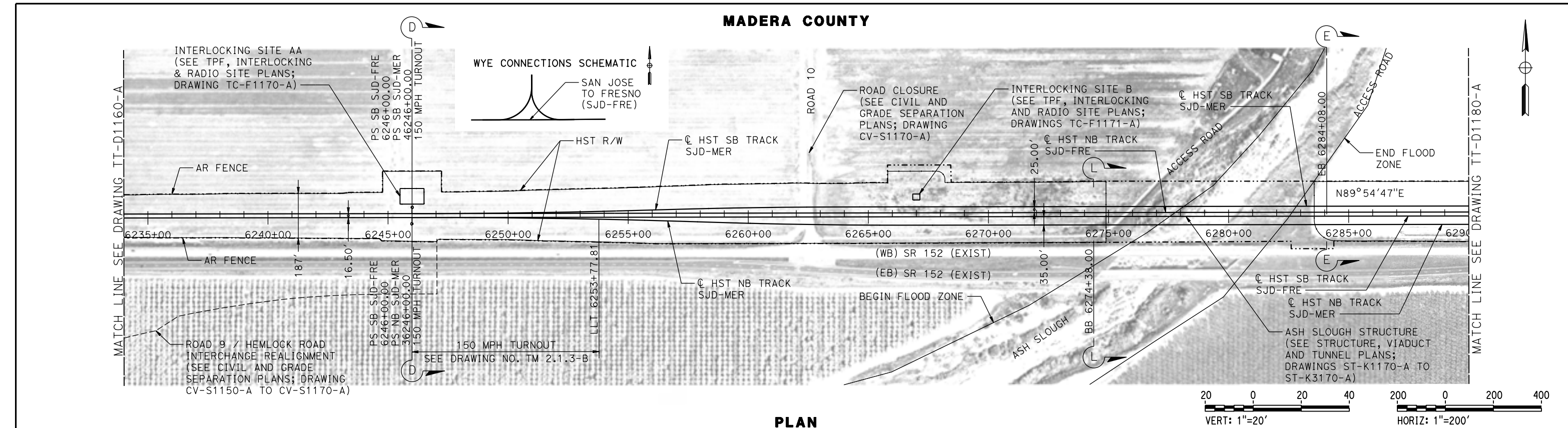
NOT FOR
CONSTRUCTION



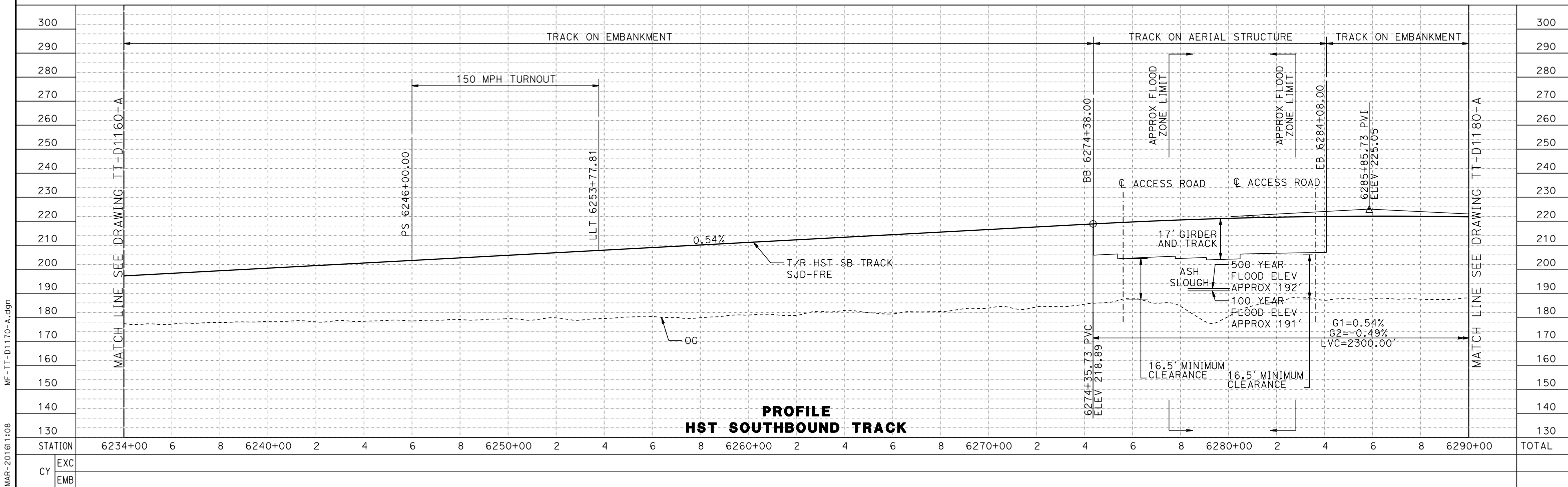
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6178+00 TO 6234+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1160-A
SCALE AS SHOWN
SHEET NO.





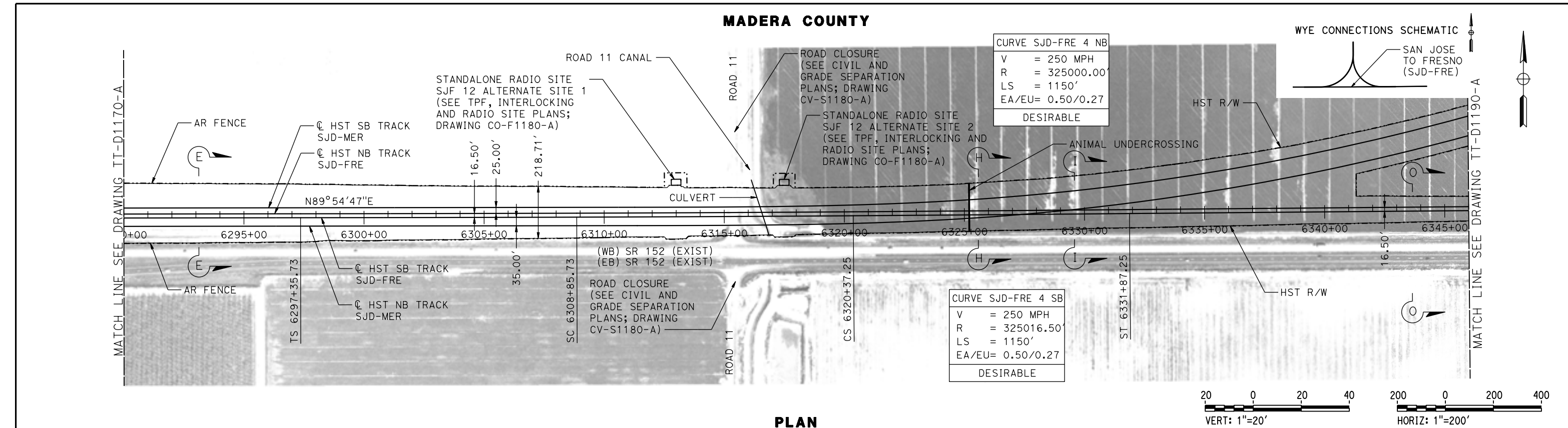
PLAN



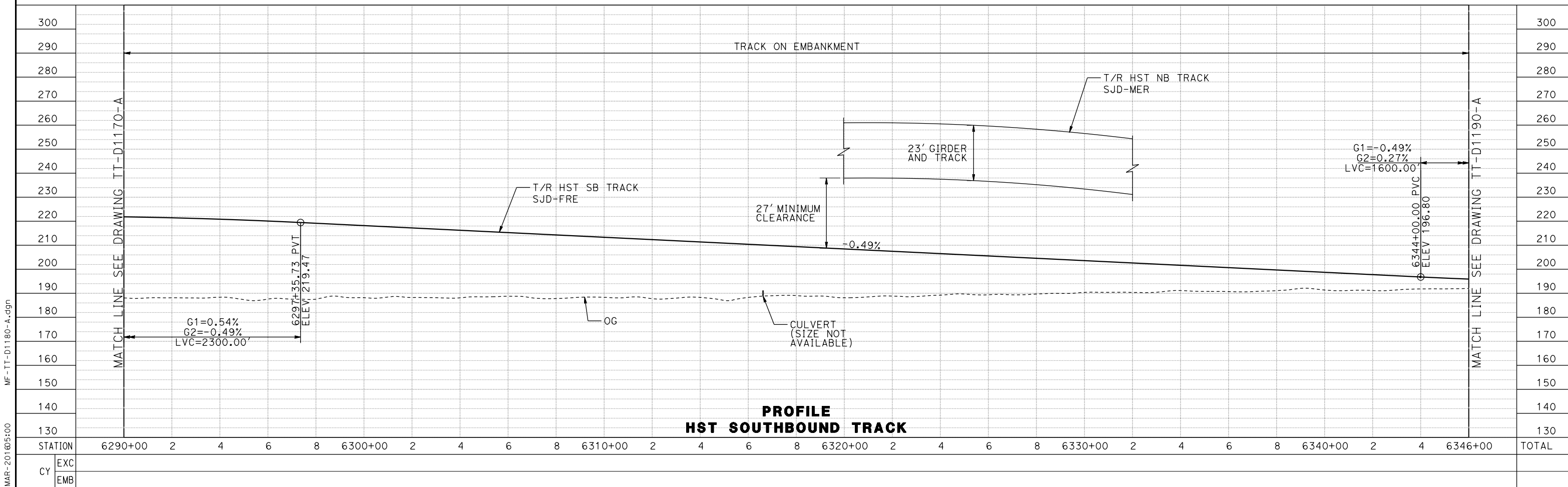
PROFILE
HST SOUTHBOUND TRACK

09-MAR-2016 11:08 MF-TT-D1170-A.dgn

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6234+00 TO 6290+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. TT-D1170-A
CHECKED BY E. CASTELI					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION



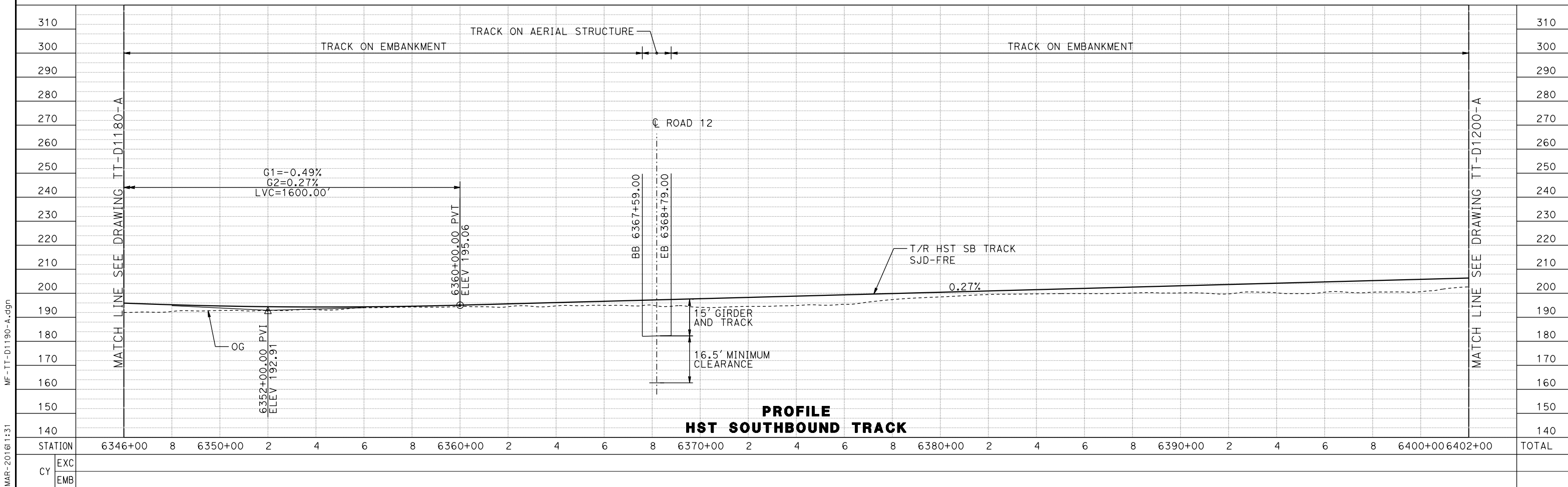
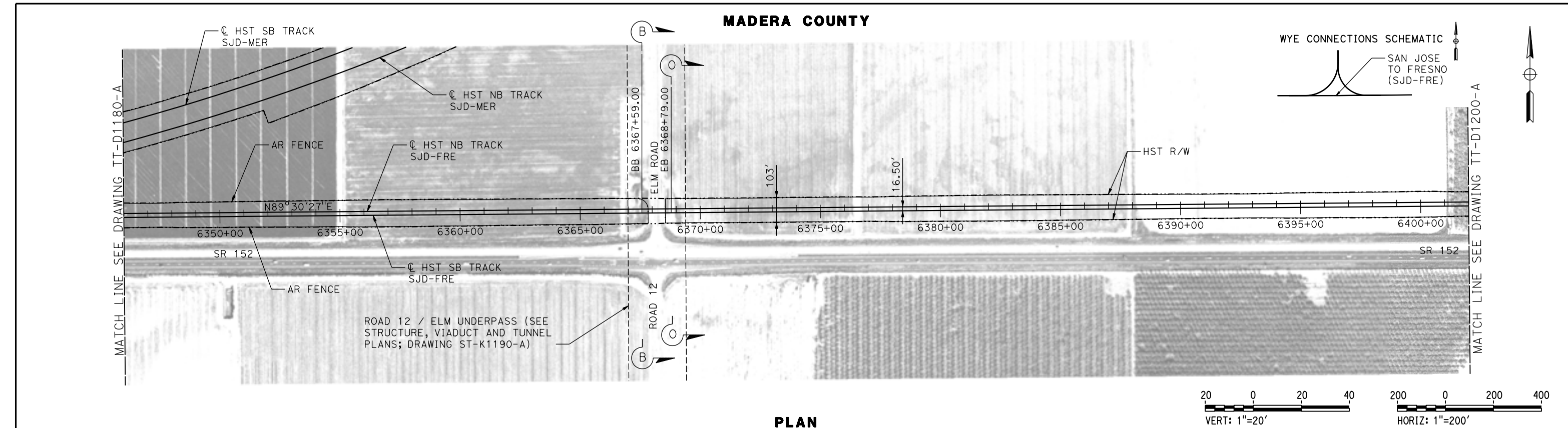
PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1180-A.dgn
08-MAR-2016 10:51:00
p0042226

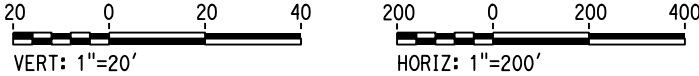
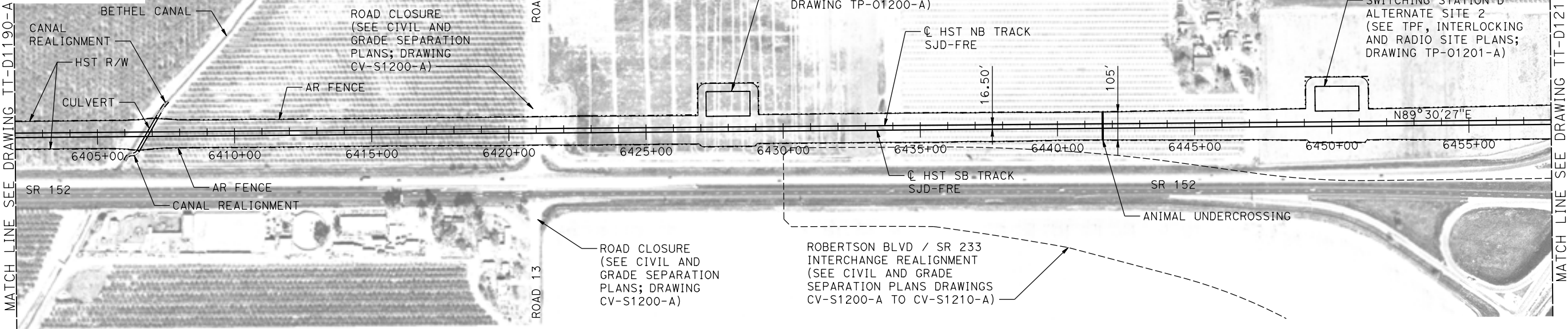
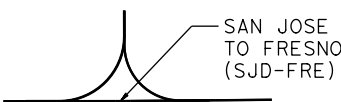
						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6290+00 TO 6346+00	CONTRACT NO. HSR08-05 DRAWING NO. TT-D1180-A SCALE AS SHOWN SHEET NO.
						DRAWN BY M. TACTAY					
						CHECKED BY E. CASTELI					
						IN CHARGE C. LEMLEY					
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					



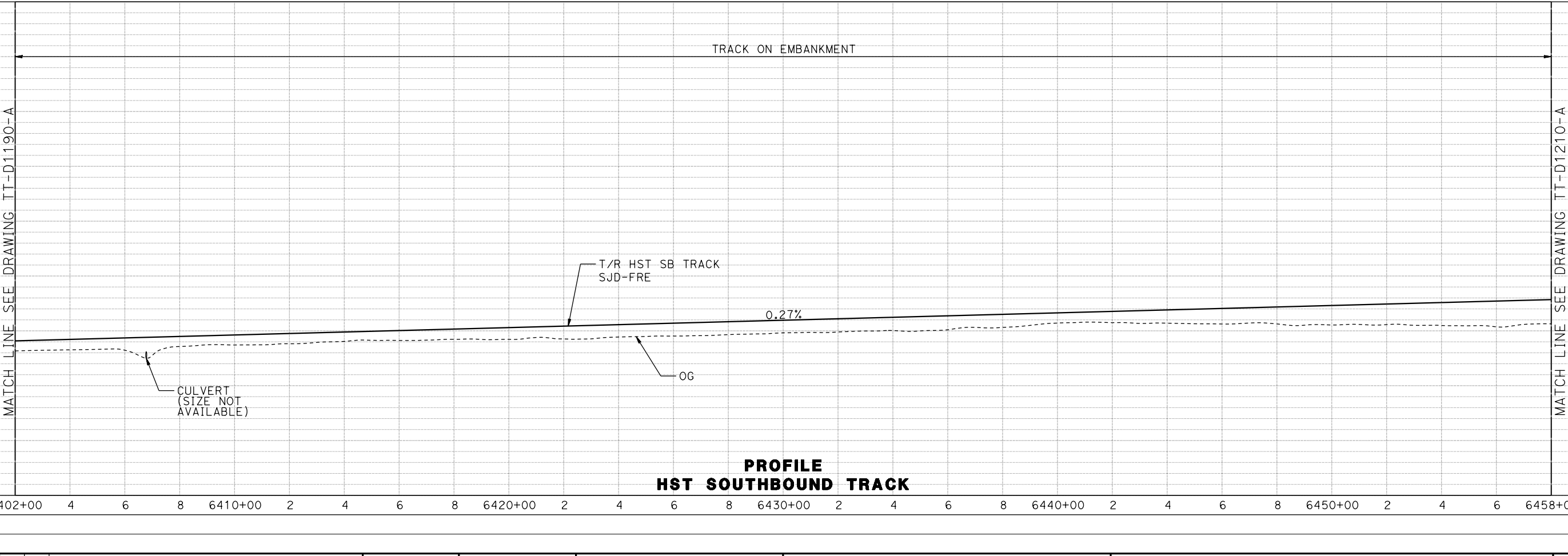
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						<div>DRAWING NO. TT-D1190-A</div>											
						<div>SCALE AS SHOWN</div>											
						<div>SHEET NO.</div>											
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016											

MADERA COUNTY

WYE CONNECTIONS SCHEMATIC



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1200-A.dgn
08-MAR-2016 05:02
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

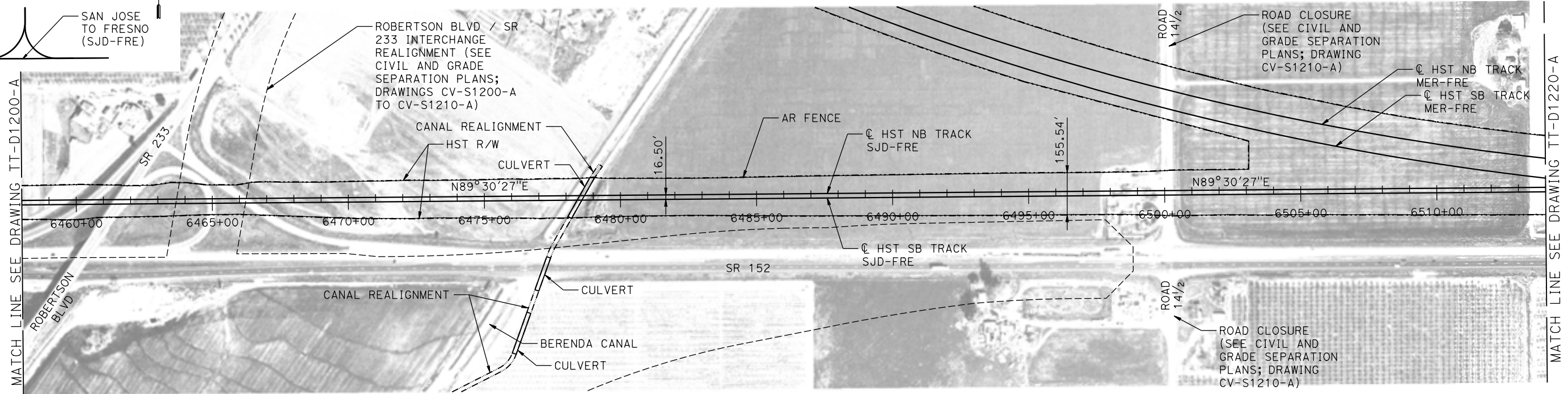
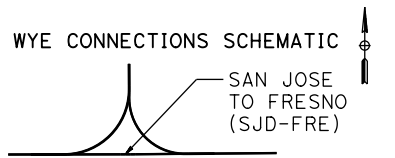


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

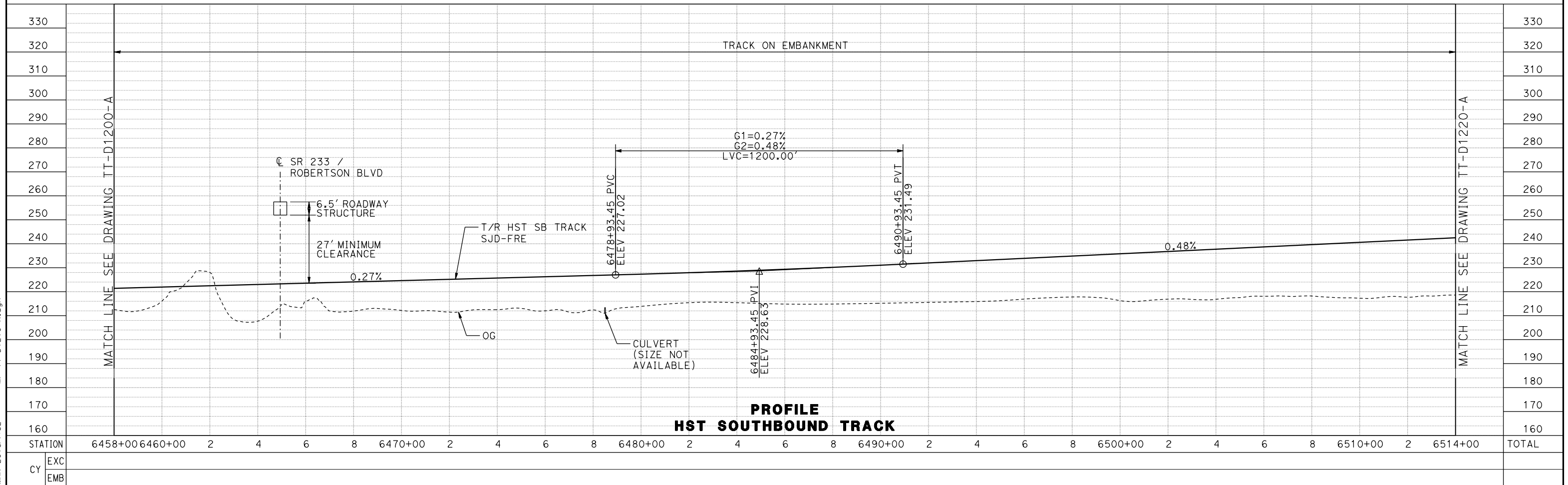
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6402+00 TO 6458+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1200-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



PLAN



PROFILE

HST SOUTHBOUND TRACK

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
IN CHARGE	C. LEMLEY
DATE	03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**



CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

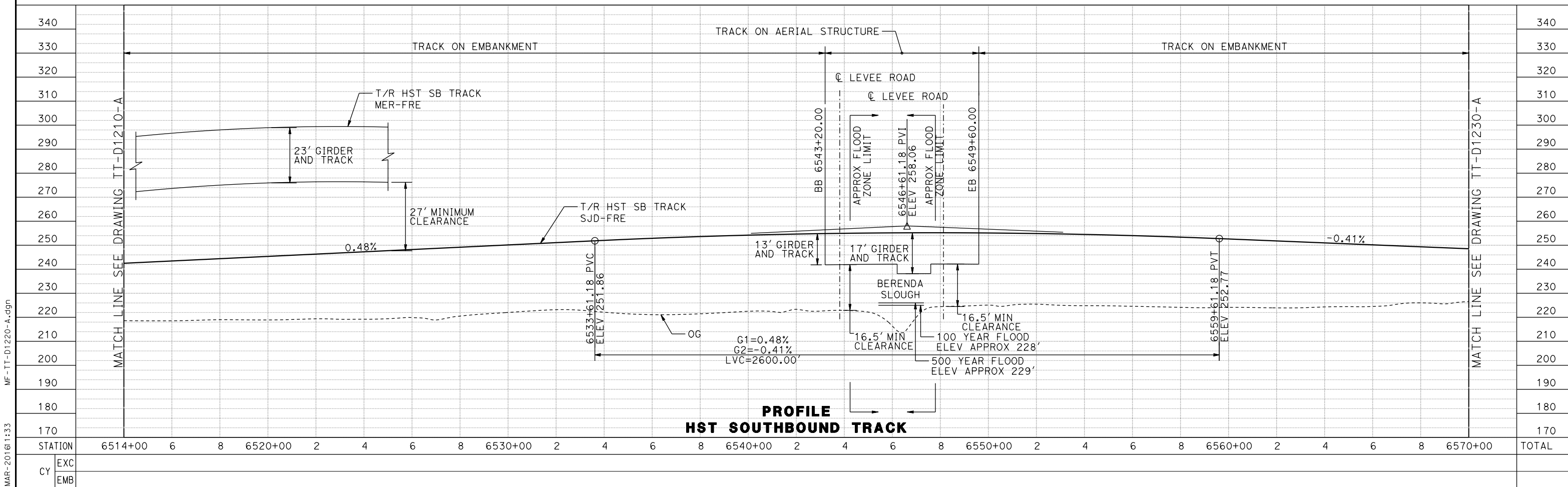
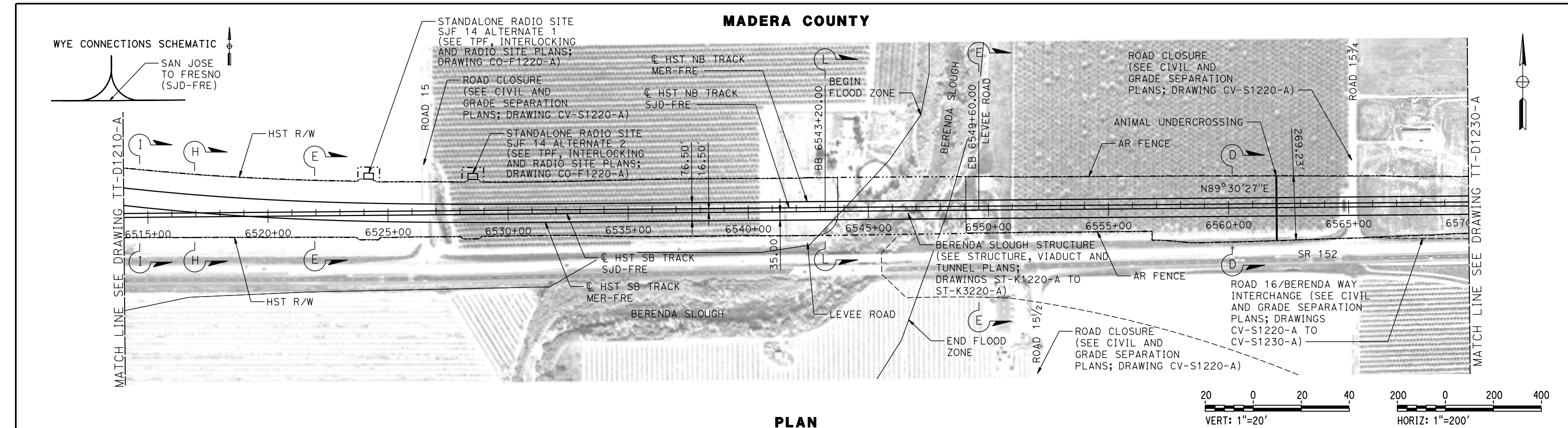
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6458+00 TO 6514+00



CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1210-A

SCALE
AS SHOWN

SHEET NO.



DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL				CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6514+00 TO 6570+00		CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					NOT FOR CONSTRUCTION	DRAWING NO. TT-D1220-A					
CHECKED BY E. CASTELI						SCALE AS SHOWN					
IN CHARGE C. LEMLEY					DATE 03/18/2016					SHEET NO.	
REV	DATE	BY	CHK	APP	DESCRIPTION						

11-MAR-2016 11:16 MF-TT-D1230-A.dgn

p0042226

MADERA COUNTY

ROAD 16 / BERENDA WAY
UNDERPASS (SEE STRUCTURE,
VIADUCT AND TUNNEL PLANS;
DRAWING ST-K1230-A)

ROAD 16 / BERENDA WAY
INTERCHANGE (SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWINGS CV-S1220-A TO
CV-S1230-A)

INTERLOCKING SITE AA (SEE TPF,
INTERLOCKING AND RADIO SITE
PLANS; DRAWING TC-F1231-A)

INTERLOCKING SITE B (SEE TPF,
INTERLOCKING AND RADIO SITE
PLANS; DRAWING TC-F1230-A)

ROAD 16 / BERENDA WAY
INTERCHANGE (SEE CIVIL AND
GRADE SEPARATION PLANS;
DRAWINGS CV-S1220-A TO
CV-S1230-A)

WYE CONNECTIONS SCHEMATIC

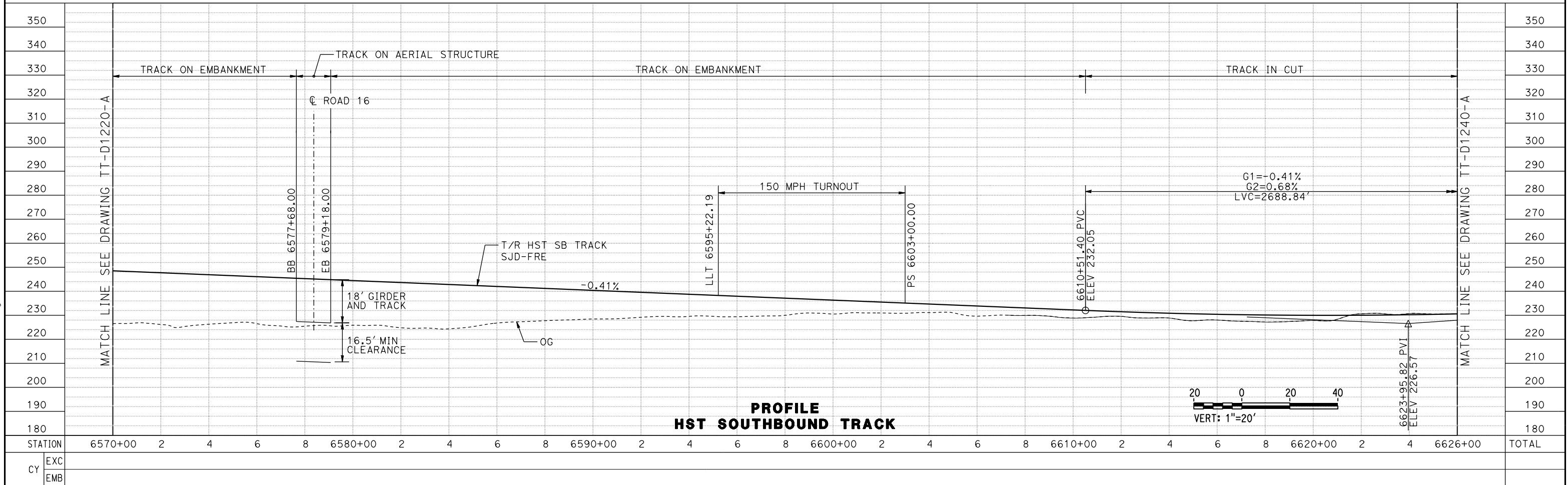
SAN JOSE
TO FRESNO
(SJD-FRE)

CURVE SJD-FRE 5 NB	
V	= 250 MPH
R	= 60000.00'
LS	= 1150'
EA/EU	= 2.75/1.42
DESIRABLE	

CURVE SJD-FRE 5 SB	
V	= 250 MPH
R	= 60016.50'
LS	= 1150'
EA/EU	= 2.75/1.42
DESIRABLE	

PLAN

HORIZ: 1"=200'



PROFILE HST SOUTHBOUND TRACK

VERT: 1"=20'

DESIGNED BY
D. OLIVETI
DRAWN BY
T. JAMES
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

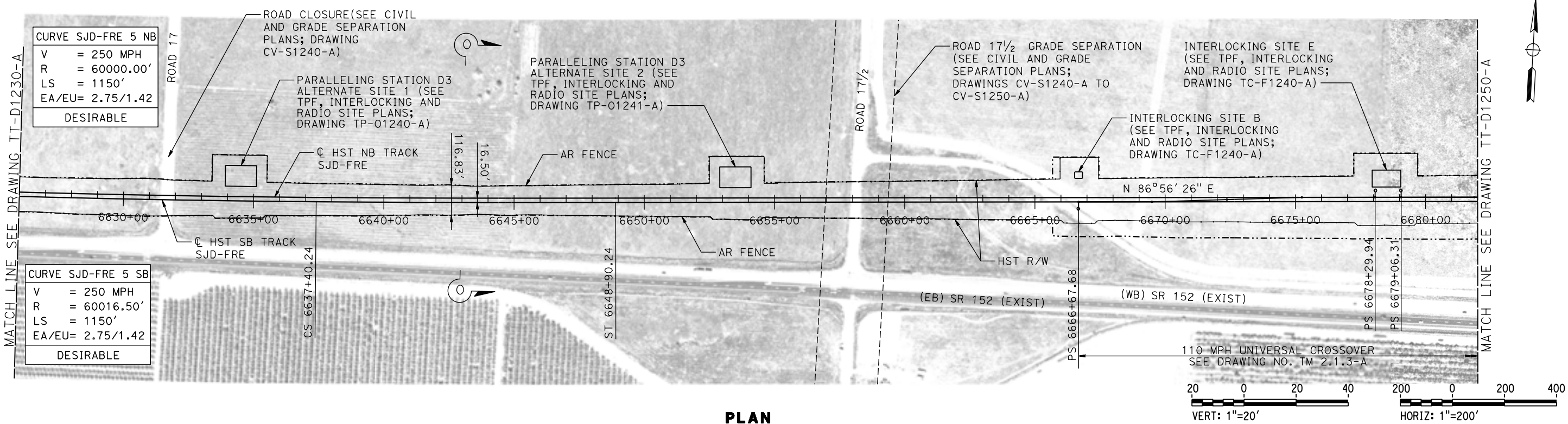
NOT FOR
CONSTRUCTION



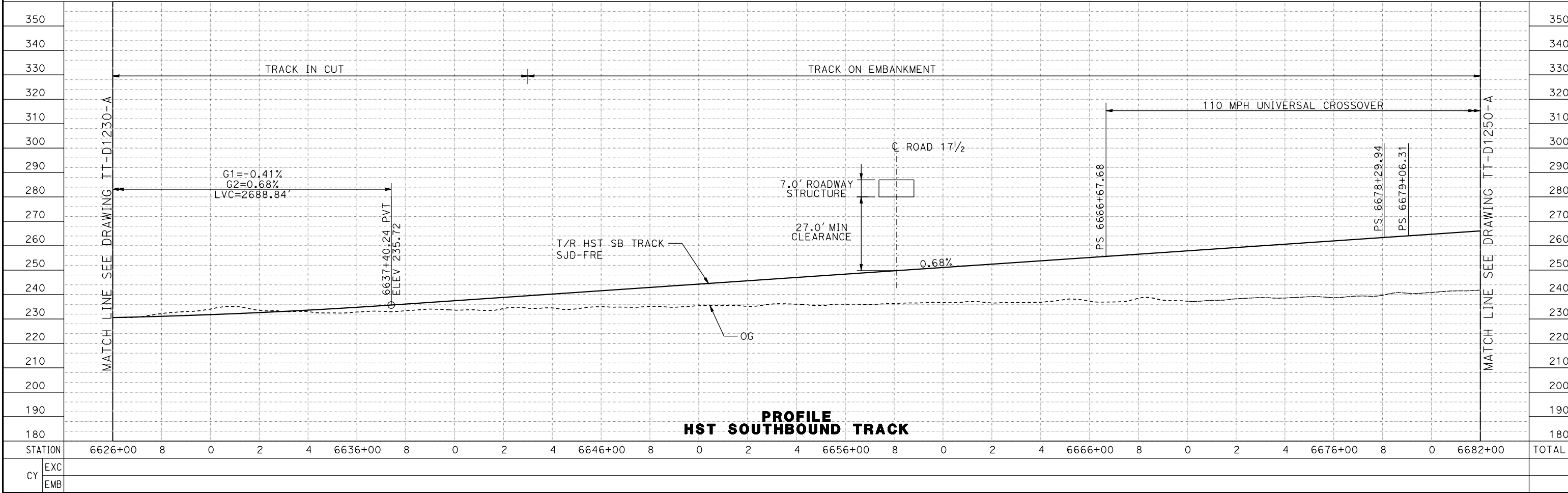
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6570+00 TO 6626+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1230-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY

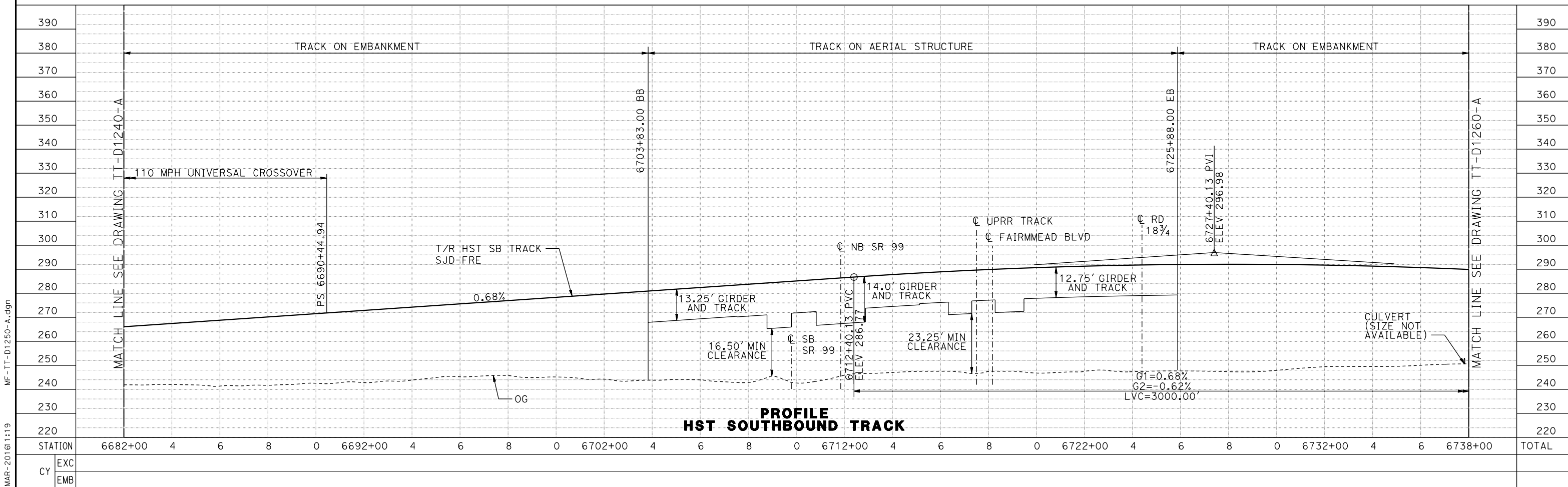
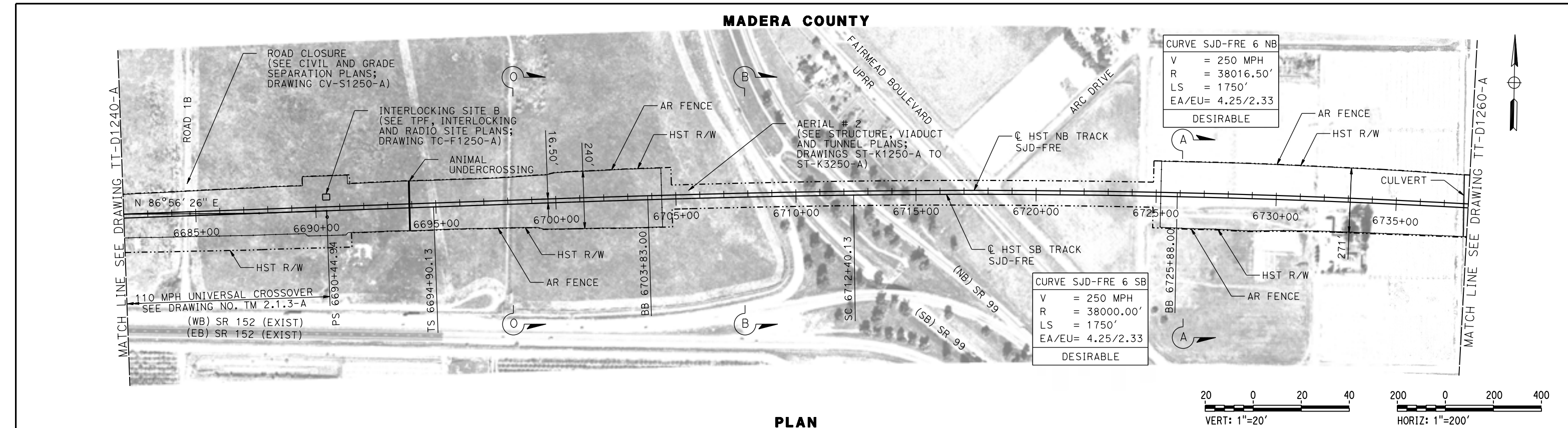


PLAN



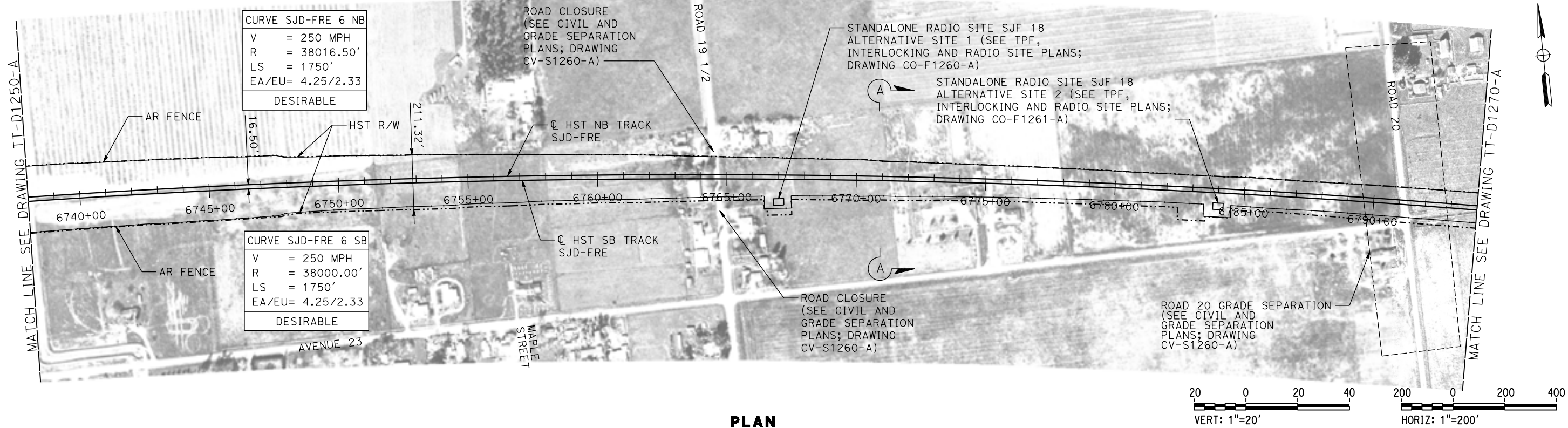
PROFILE
HST SOUTHBOUND TRACK

<div>11-MAR-2016 11:18 MF-TT-D1240-A.dgn</div>					<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY T. JAMES</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>		<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6626+00 TO 6682+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1240-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

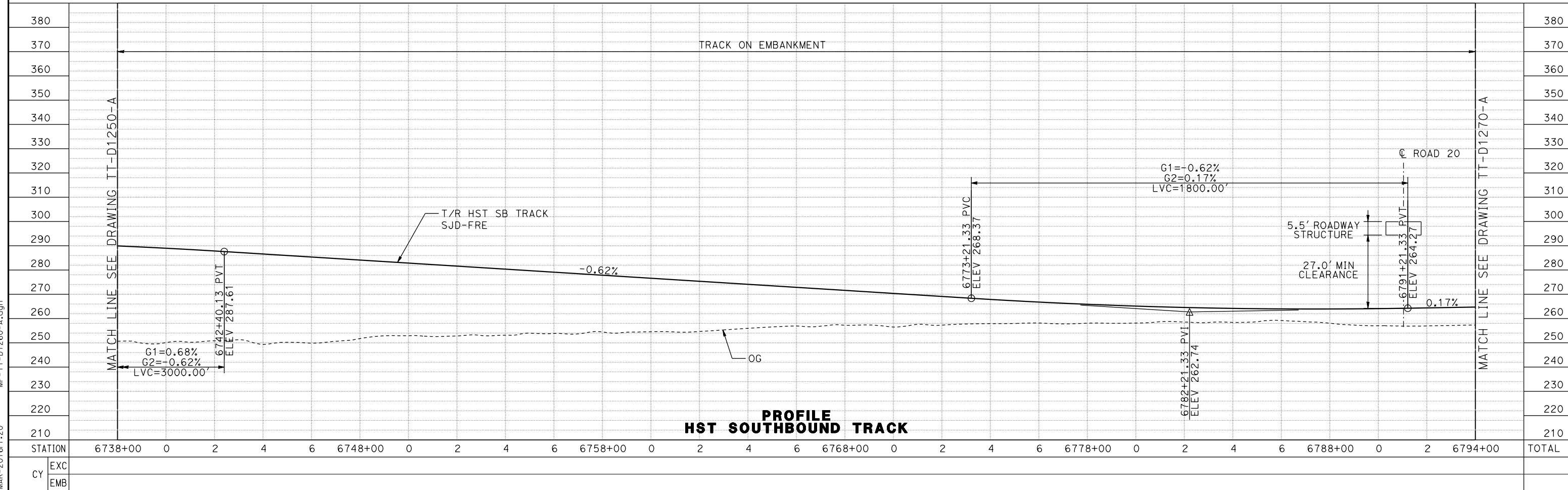


DESIGNED BY D. OLIVETI					RECORD SET 15% DESIGN SUBMITTAL					NOT FOR CONSTRUCTION					CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION					CONTRACT NO. HSR08-05				
DRAWN BY T. JAMES					PARSONS					CALIFORNIA HIGH-SPEED RAIL AUTHORITY					CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6682+00 TO 6738+00					DRAWING NO. TT-D1250-A				
CHECKED BY E. CASTELI																				SCALE AS SHOWN				
IN CHARGE C. LEMLEY																				SHEET NO.				
DATE 03/18/2016																								
REV	DATE	BY	CHK	APP	DESCRIPTION																			

FAIRMEAD, MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 1:20 MF-TT-D1260-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI
DRAWN BY
S. WILSON
CHECKED BY
N. OUM
IN CHARGE
C. LEMLEY
DATE
03/18/2016

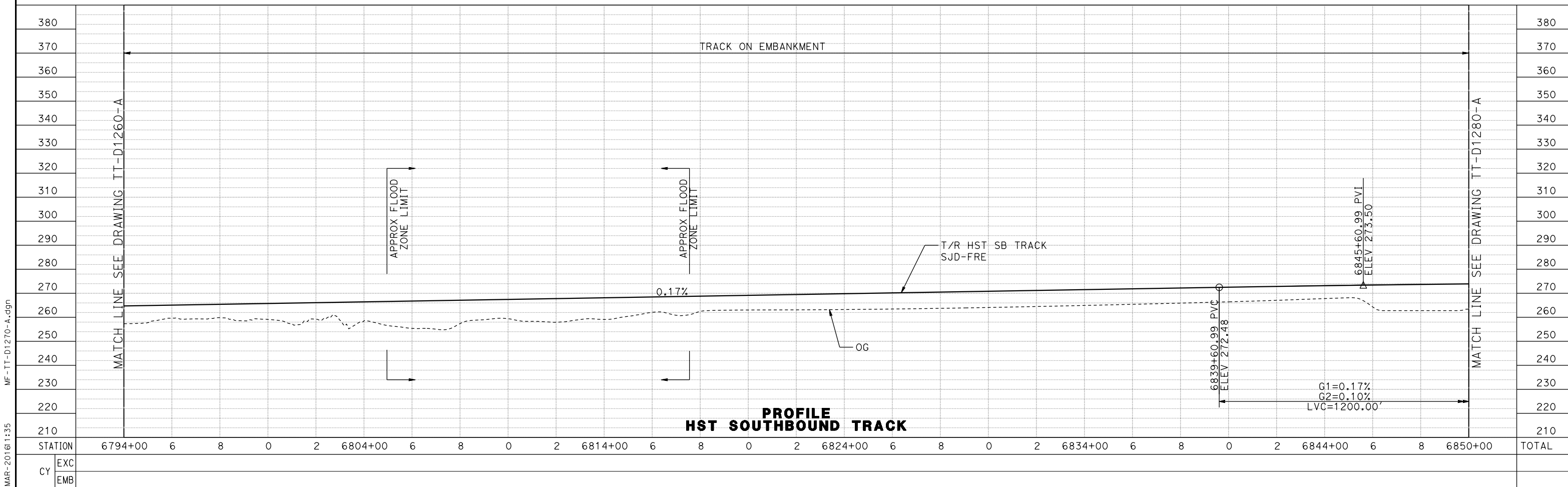
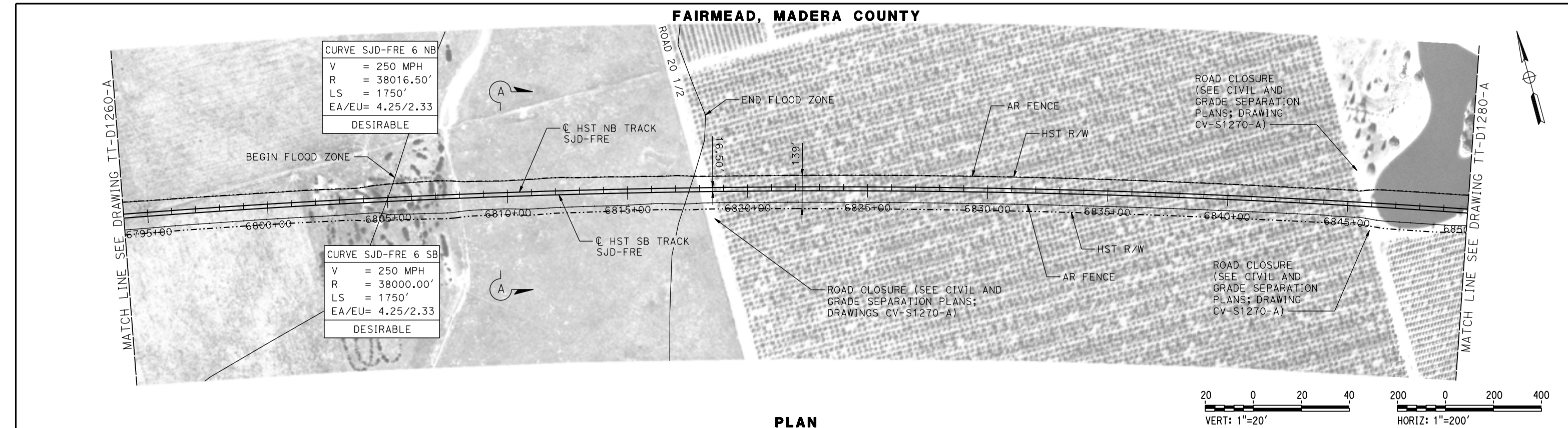
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

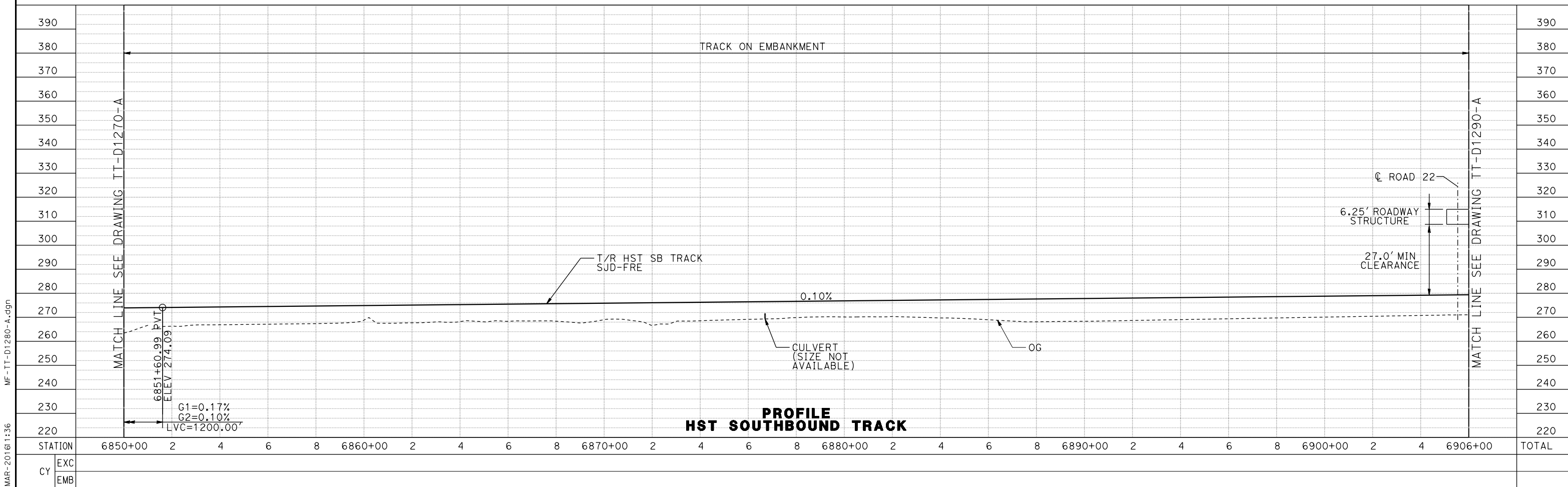
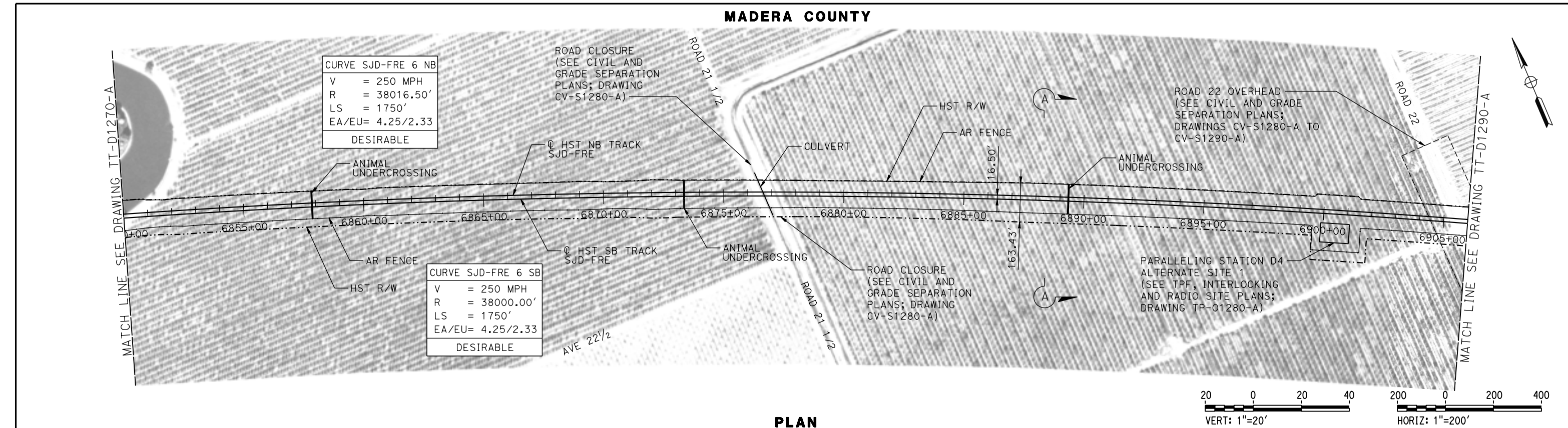


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6738+00 TO 6794+00

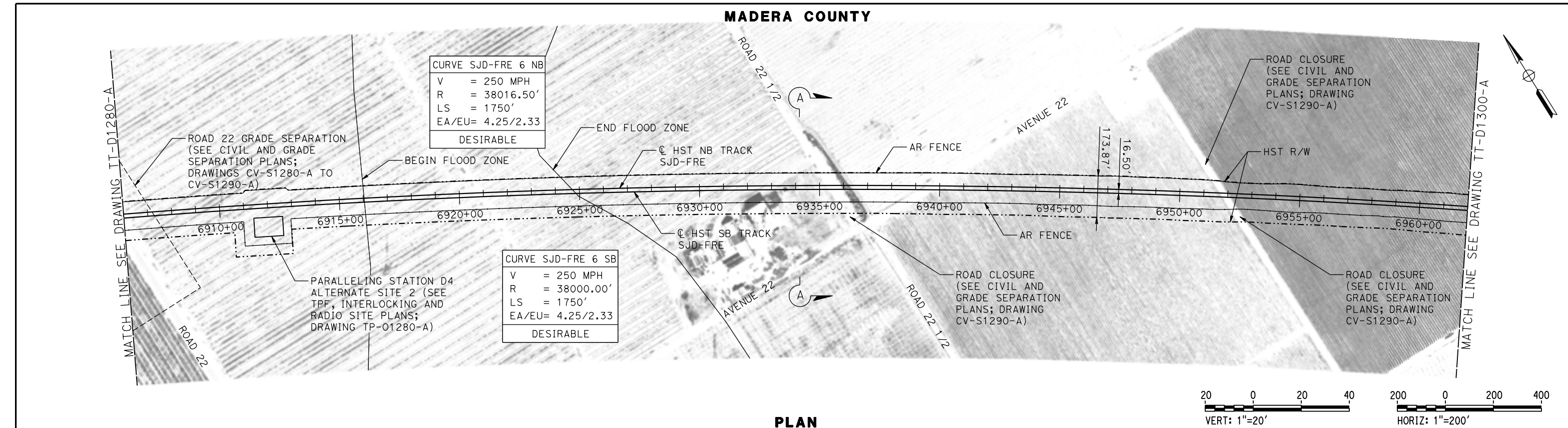
CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1260-A
SCALE
AS SHOWN
SHEET NO.



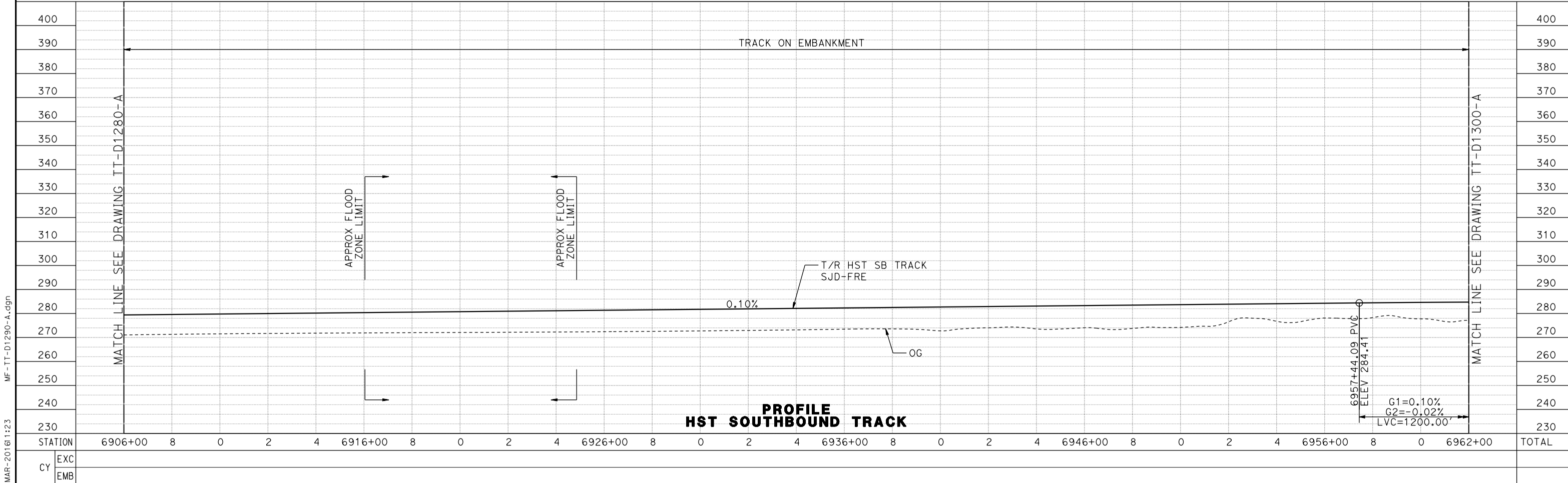
<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY T. JAMES</div> <div>CHECKED BY N. OUM</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>						<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6794+00 TO 6850+00</div>		<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1270-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION								



DESIGNED BY D. OLIVETI						RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION				CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6850+00 TO 6906+00		CONTRACT NO. HSR08-05					
DRAWN BY T. JAMES												DRAWING NO. TT-D1280-A					
CHECKED BY E. CASTELI												SCALE AS SHOWN					
IN CHARGE C. LEMLEY												SHEET NO.					
DATE 03/18/2016																	
REV	DATE	BY	CHK	APP	DESCRIPTION												



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1290-A.dgn
11-MAR-2016 1:23
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
T. JAMES

CHECKED BY
E. CASTELI

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 6906+00 TO 6962+00

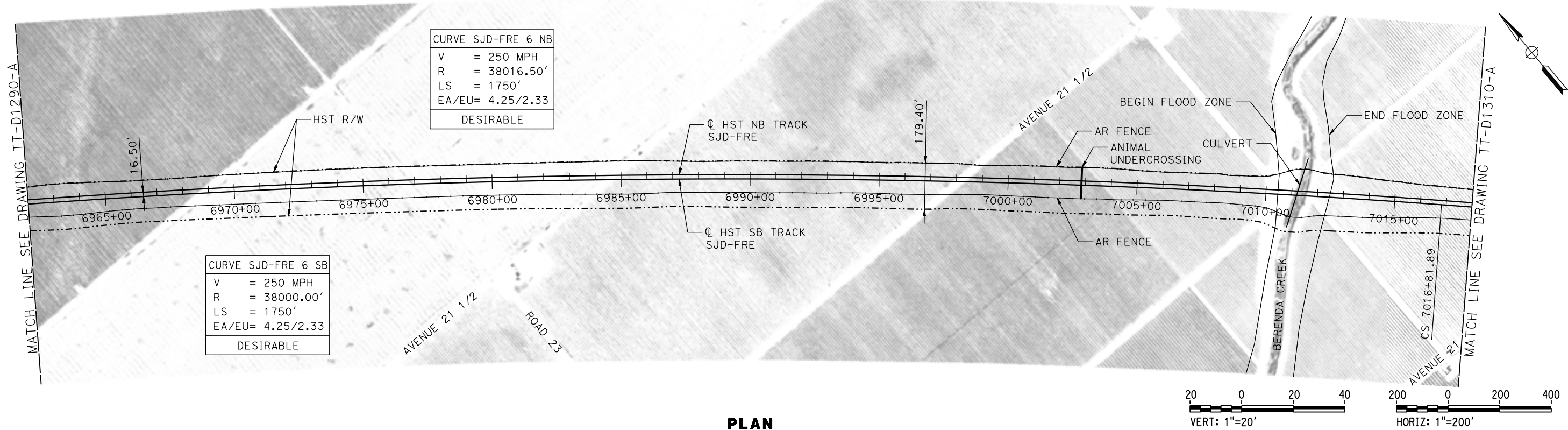
CONTRACT NO.
HSR08-05

DRAWING NO.
TT-D1290-A

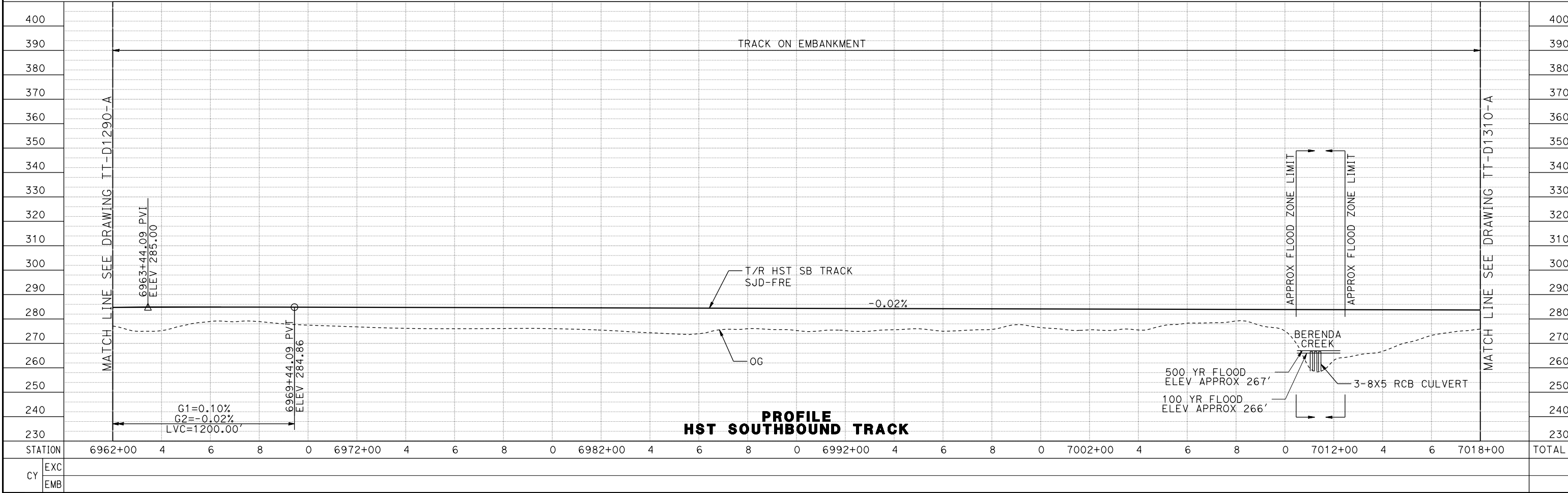
SCALE
AS SHOWN

SHEET NO.

MADERA COUNTY



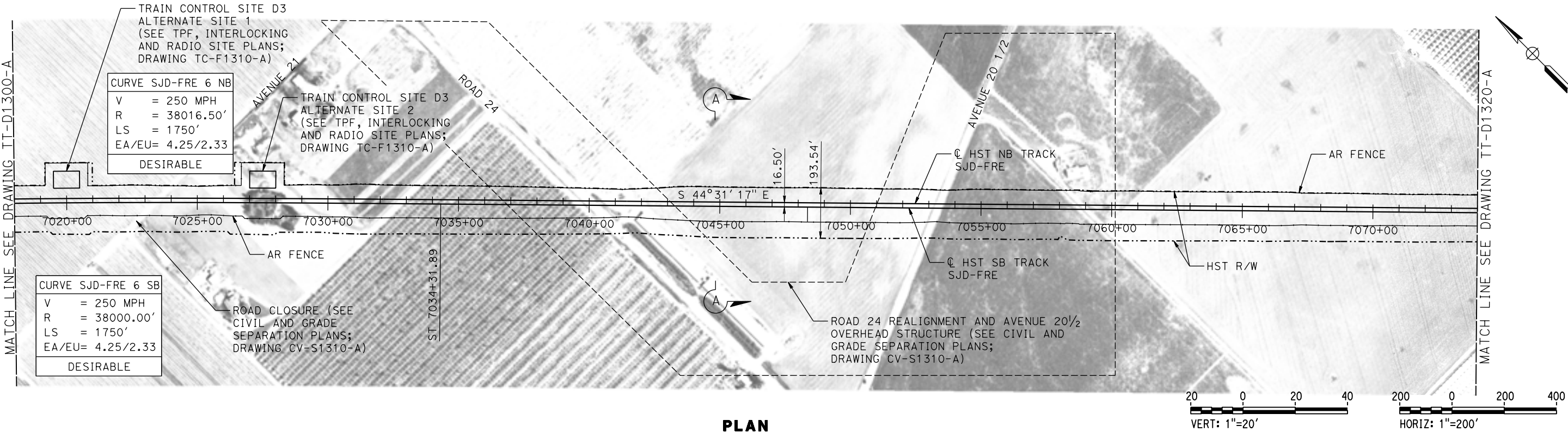
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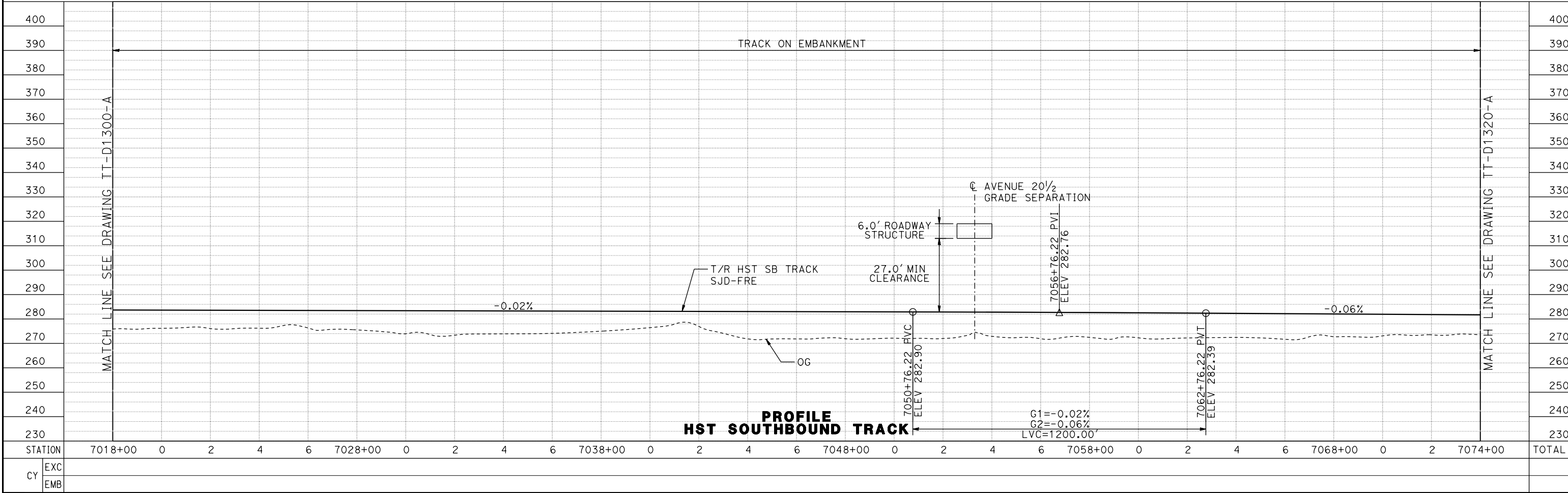
PROFILE
HST SOUTHBOUND TRACK

<div>16-MAR-2016 11:34 MF-TT-D1300-A.dgn</div>					<div>DESIGNED BY D. OLIVETI</div> <div>DRAWN BY T. JAMES</div> <div>CHECKED BY E. CASTELI</div> <div>IN CHARGE C. LEMLEY</div> <div>DATE 03/18/2016</div>		<div>RECORD SET 15% DESIGN SUBMITTAL</div> <div>NOT FOR CONSTRUCTION</div>		<div>PARSONS</div> <div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION</div> <div>CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE SJD-FRE STA 6962+00 TO 7018+00</div>			<div>CONTRACT NO. HSR08-05</div> <div>DRAWING NO. TT-D1300-A</div> <div>SCALE AS SHOWN</div> <div>SHEET NO.</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 11:24 MF-TT-D1310-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY T. JAMES
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

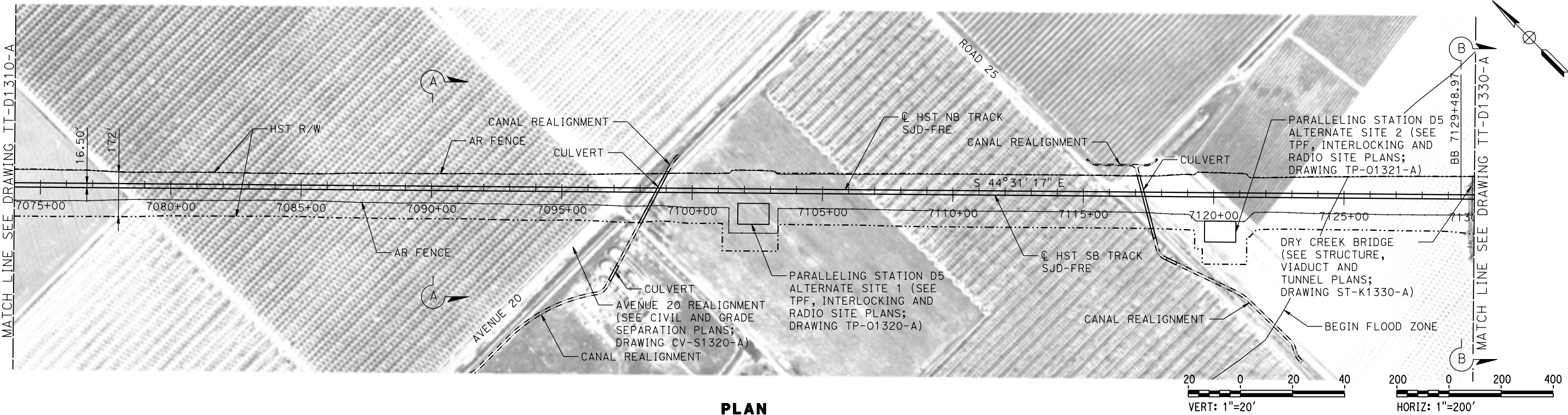


CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

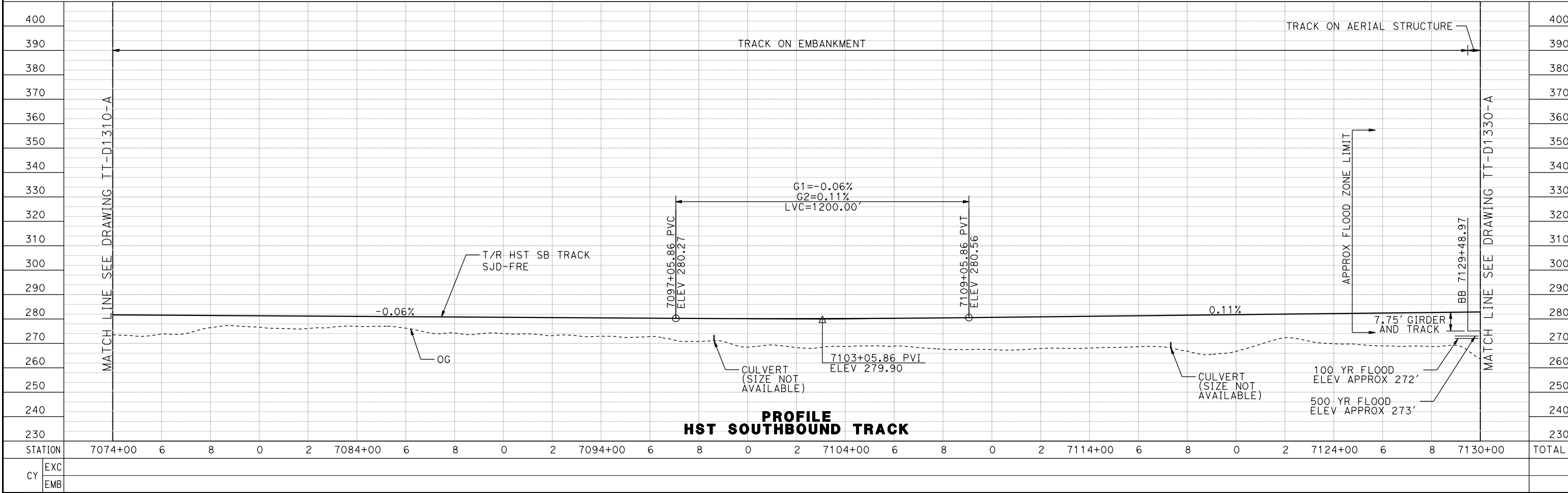
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7018+00 TO 7074+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1310-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

11-MAR-2016 6:48 MF-TT-D1320-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY T. JAMES
CHECKED BY N. OUM
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

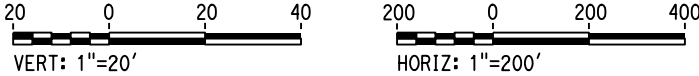
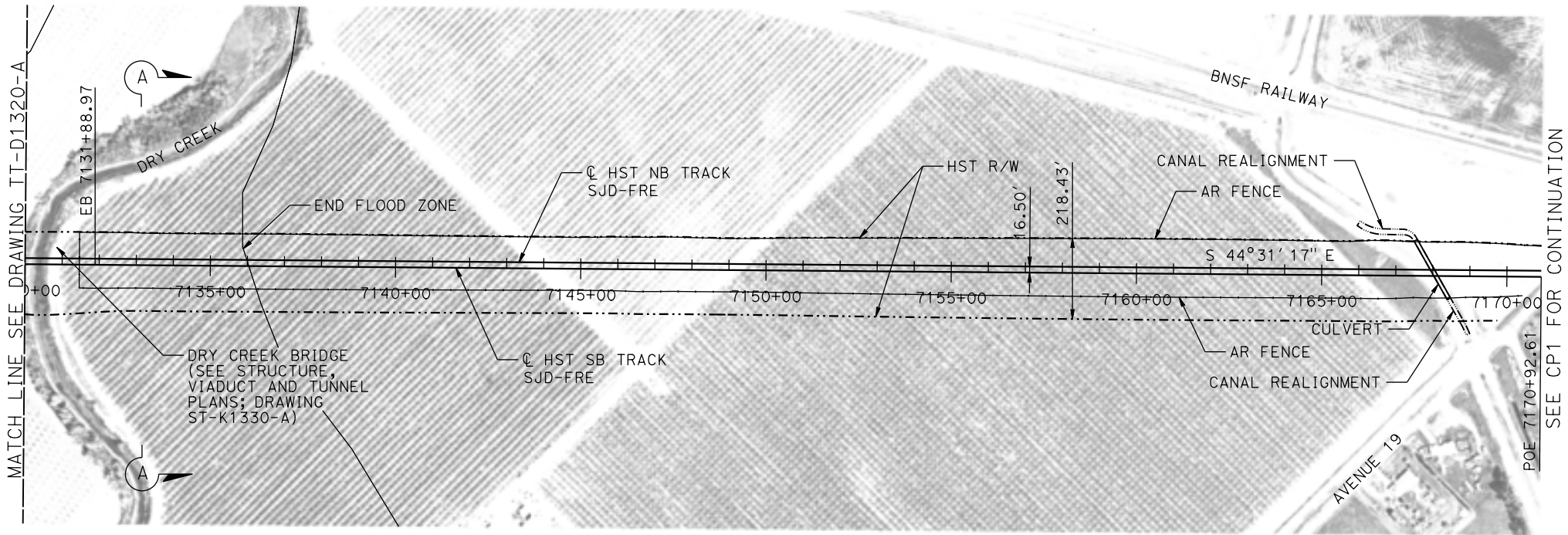
NOT FOR
CONSTRUCTION



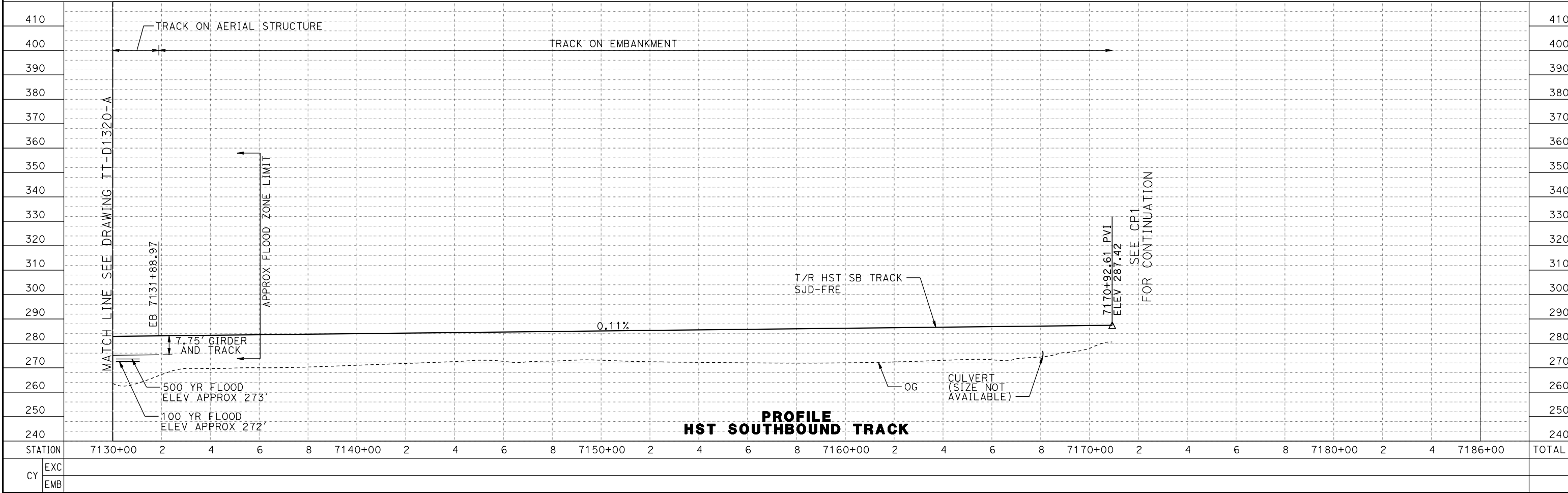
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
SJD-FRE STA 7074+00 TO 7130+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1320-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

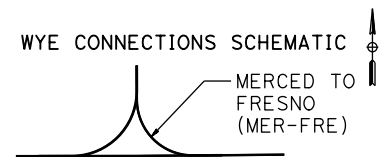


PLAN

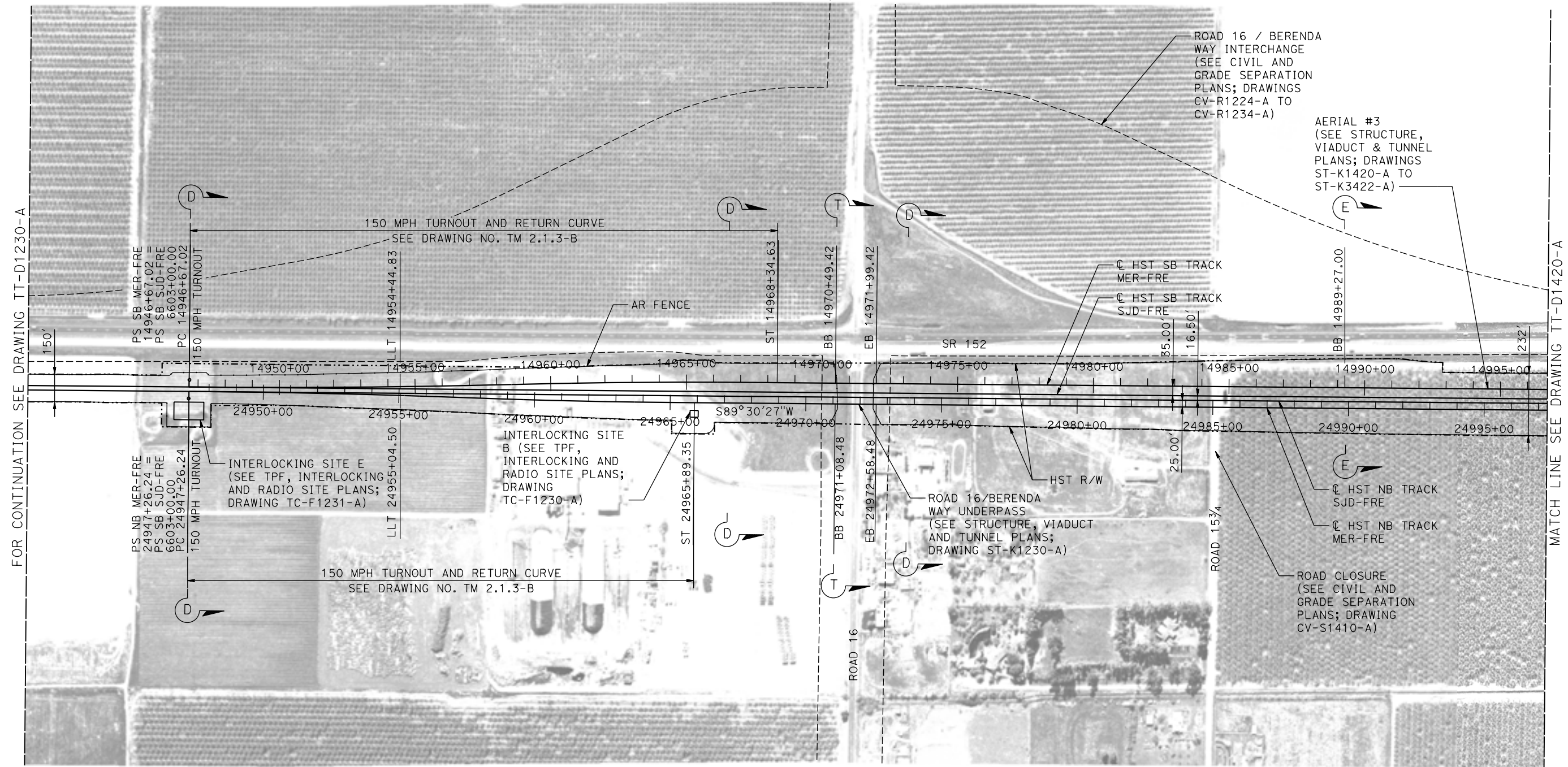


PROFILE
HST SOUTHBOUND TRACK

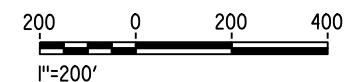
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MADERA COUNTY



PLAN



MF-TT-D1410-A.dgn

07-MAR-2016 16:41:33

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

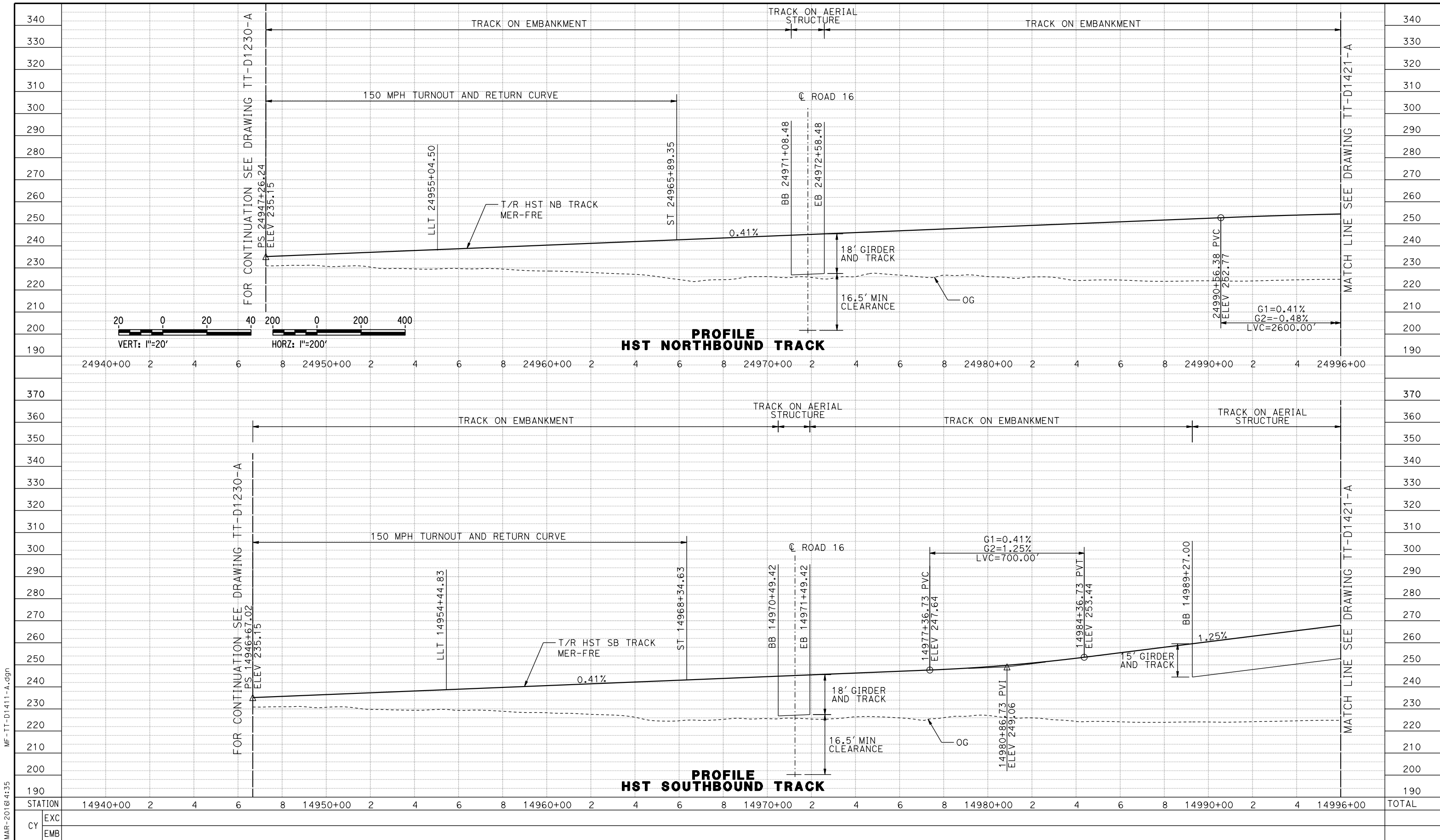
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 14940+00 TO 14996+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1410-A
SCALE AS SHOWN
SHEET NO.



07-MAR-2016 16:41:35 MF-TT-D1411-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI

DRAWN BY
M. TACTAY

CHECKED BY
E. CASTELI

IN CHARGE
C. LEMLEY

DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
MER-FRE STA 14940+00 TO 14996+00

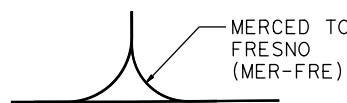
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HSR08-05

DRAWING NO.
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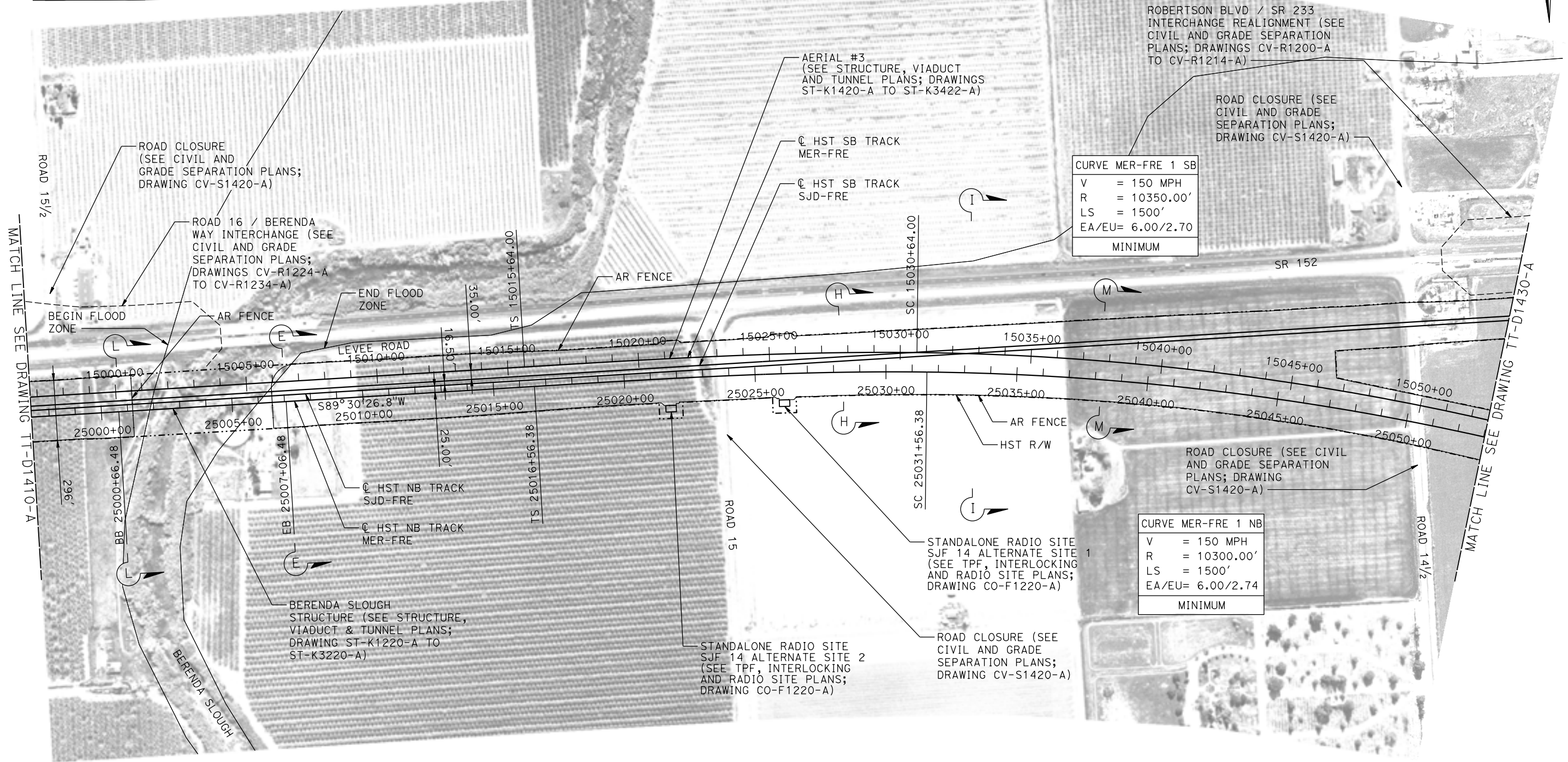
SCALE
AS SHOWN

SHEET NO.

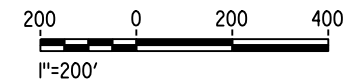
WYE CONNECTIONS SCHEMATIC



MADERA COUNTY



PLAN



MF-TT-D1420-A.dgn

16-MAR-2016 1:35

p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
IN CHARGE	C. LEMLEY
DATE	03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

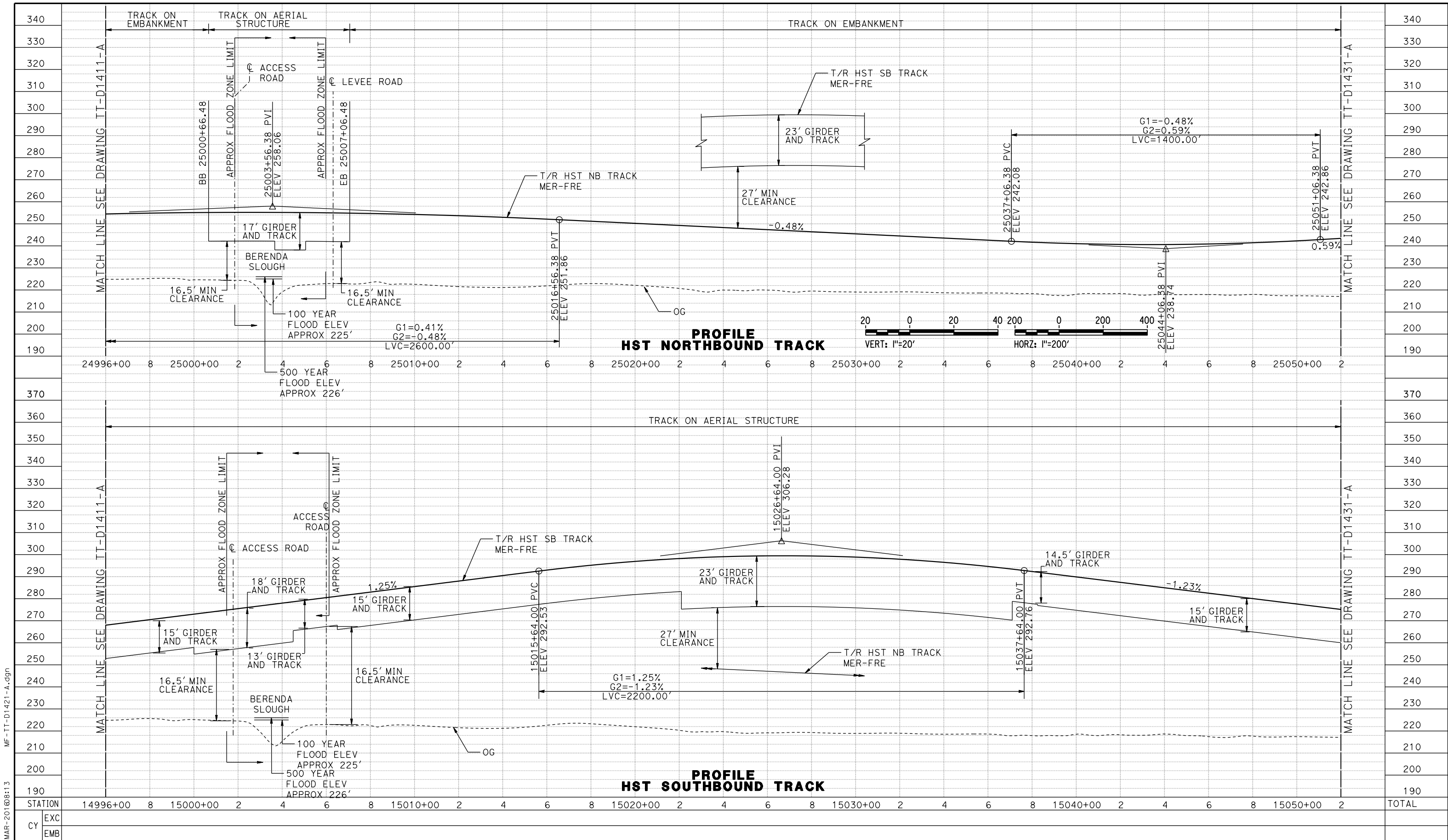


CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 14996+00 TO 15052+00

CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1420-A
SCALE	AS SHOWN
SHEET NO.	

10-MAR-2016 08:13 MF-TT-D1421-A.dgn



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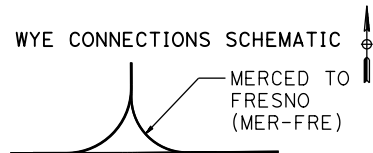
DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET 15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION

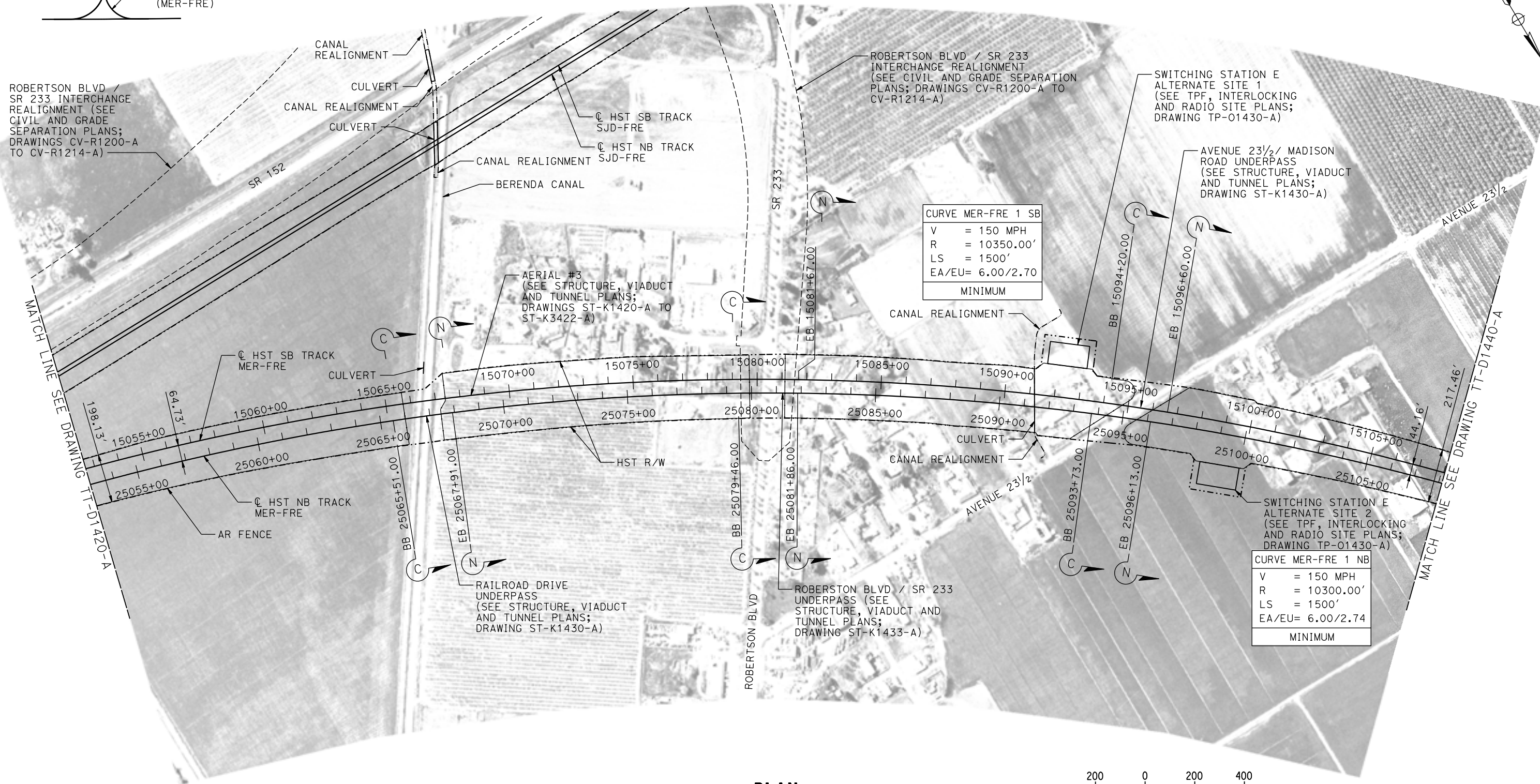


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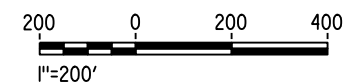
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1421-A
SCALE AS SHOWN
SHEET NO.



MADERA COUNTY



PLAN



p0042226 10-MAR-2016 08:18 MF-TT-D1430-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

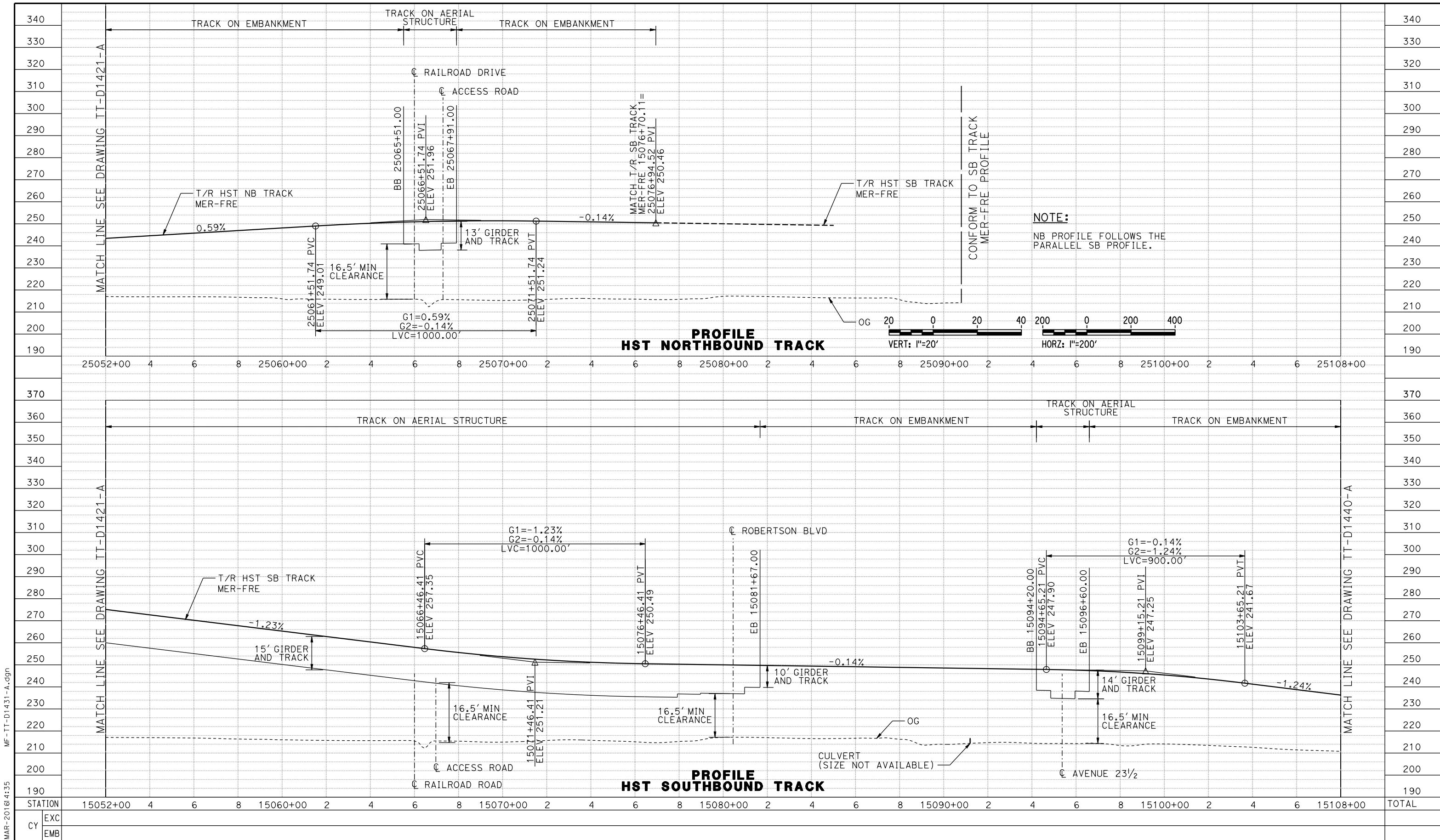


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

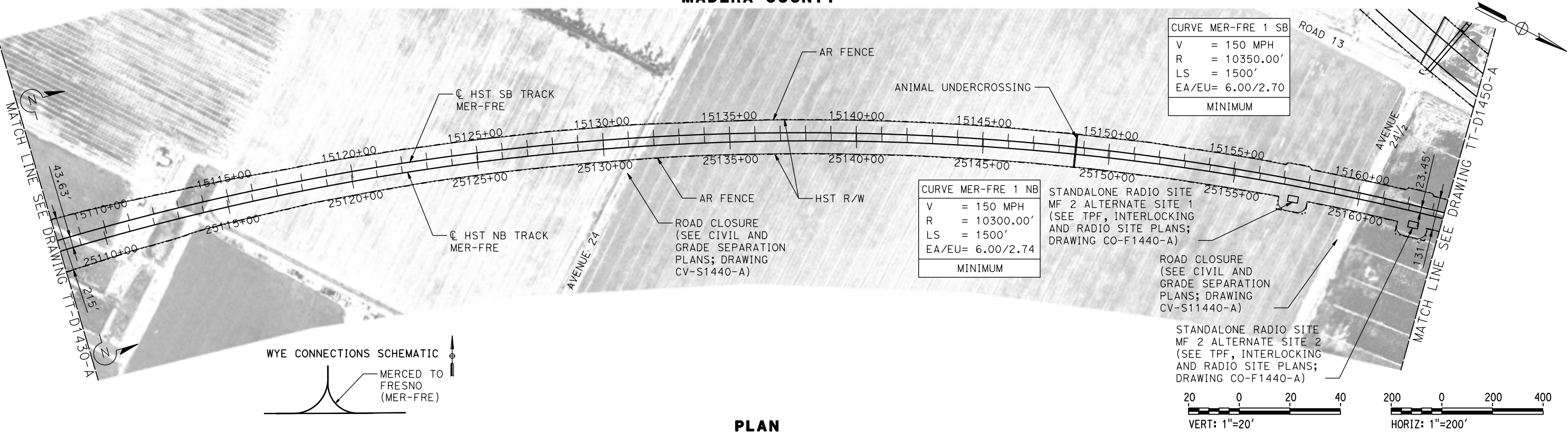
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
MER-FRE STA 15052+00 TO 15108+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1430-A
SCALE AS SHOWN
SHEET NO.

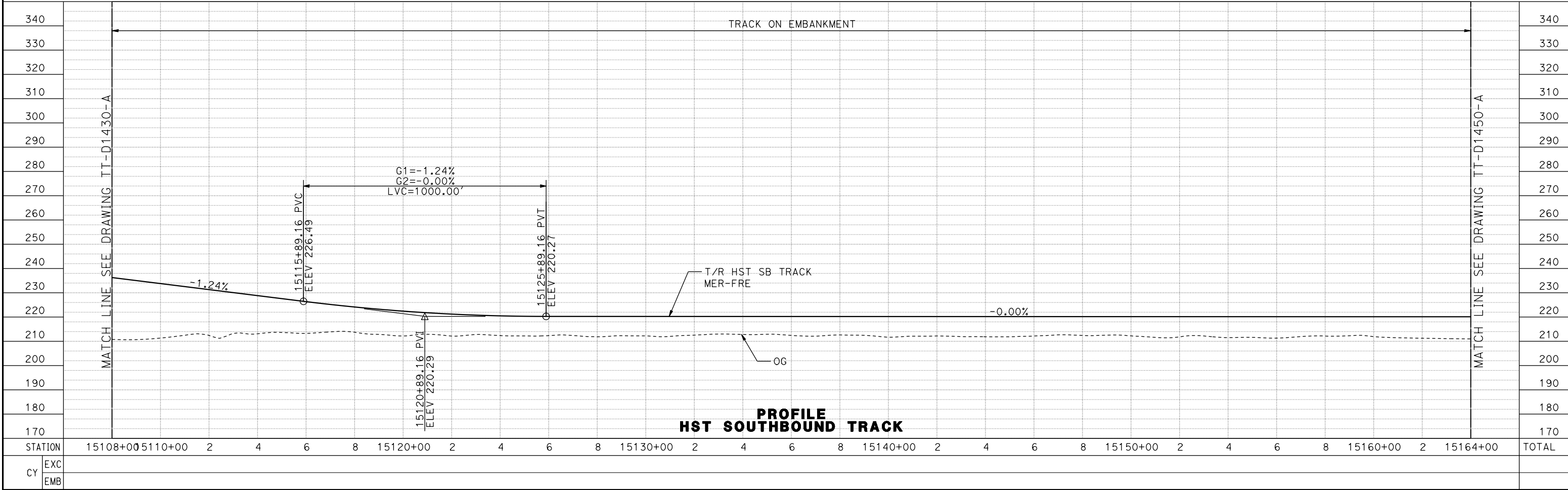


DESIGNED BY D. OLIVETI						RECORD SET 15% DESIGN SUBMITTAL						NOT FOR CONSTRUCTION						CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION						CONTRACT NO. HSR08-05					
DRAWN BY M. TACTAY						CHECKED BY E. CASTELI						IN CHARGE C. LEMLEY						CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE MER-FRE STA 15052+00 TO 15108+00						DRAWING NO. TT-D1431-A					
DATE 03/18/2016																		SCALE AS SHOWN						SHEET NO.					
REV	DATE	BY	CHK	APP	DESCRIPTION																								

MADERA COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

10-MAR-2016 08:24 MF-TT-D1440-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. OLIVETI
DRAWN BY
M. TACTAY
CHECKED BY
E. CASTELI
IN CHARGE
C. LEMLEY
DATE
03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

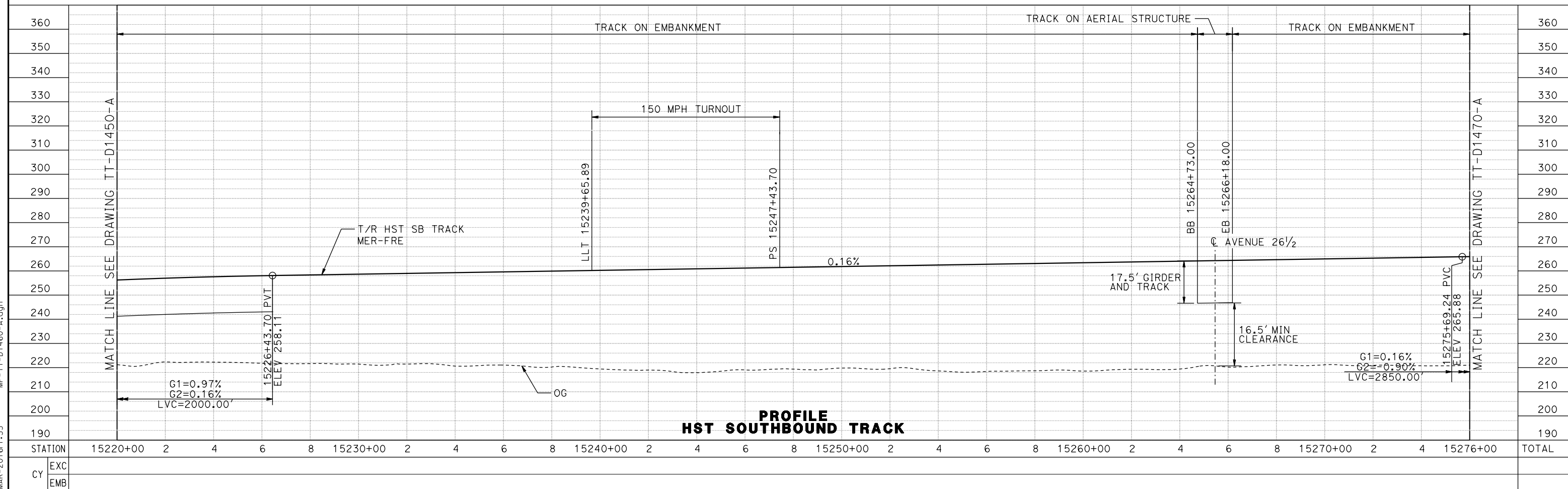
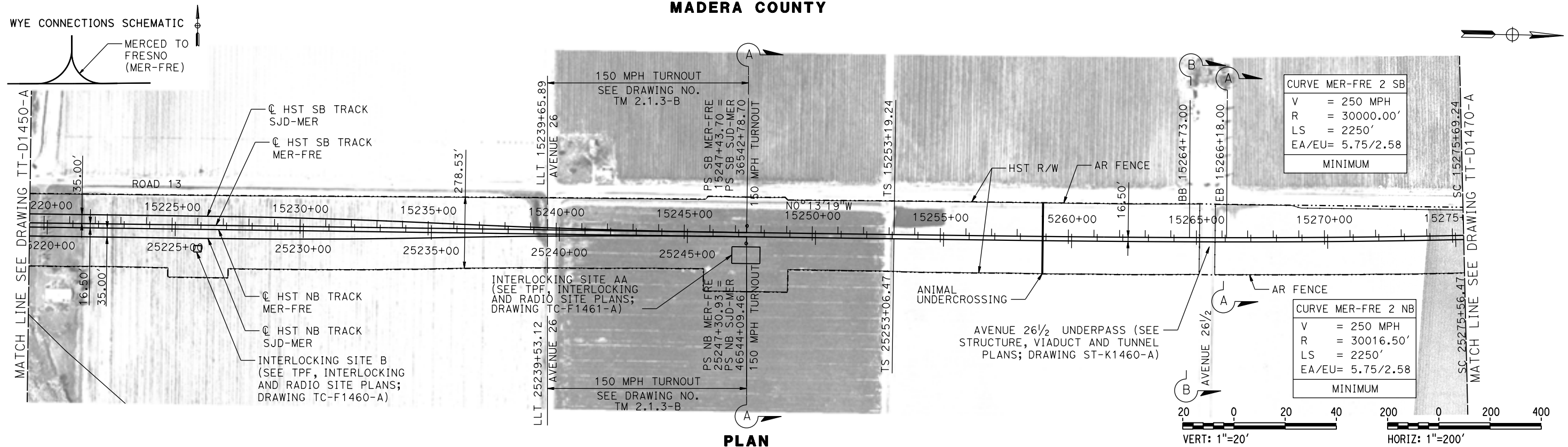
NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15108+00 TO 15164+00

CONTRACT NO.
HSR08-05
DRAWING NO.
TT-D1440-A
SCALE
AS SHOWN
SHEET NO.

MADERA COUNTY



						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15220+00 TO 15276+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1460-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
						DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION						

MADERA COUNTY

**RECORD SET
15% DESIGN
SUBMITTAL**

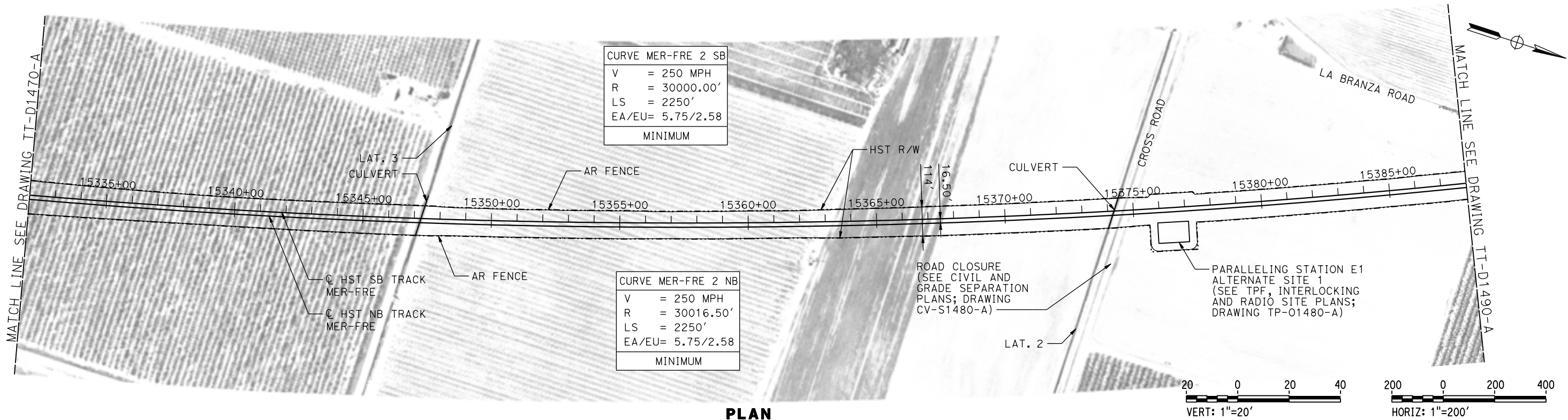
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CONSTRUCTION**



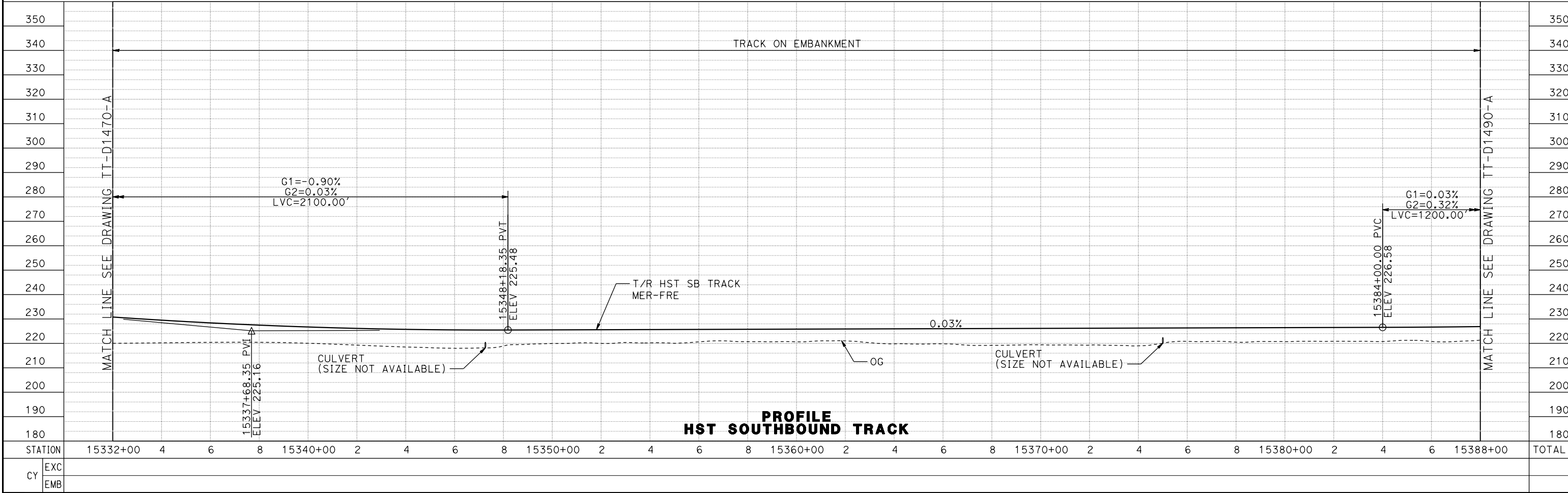
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15276+00 TO 15332+00

CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1470-A
SCALE	AS SHOWN
SHEET NO.	

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

MF-TT-D1480-A.dgn
08-MAR-2016 10:51:06
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

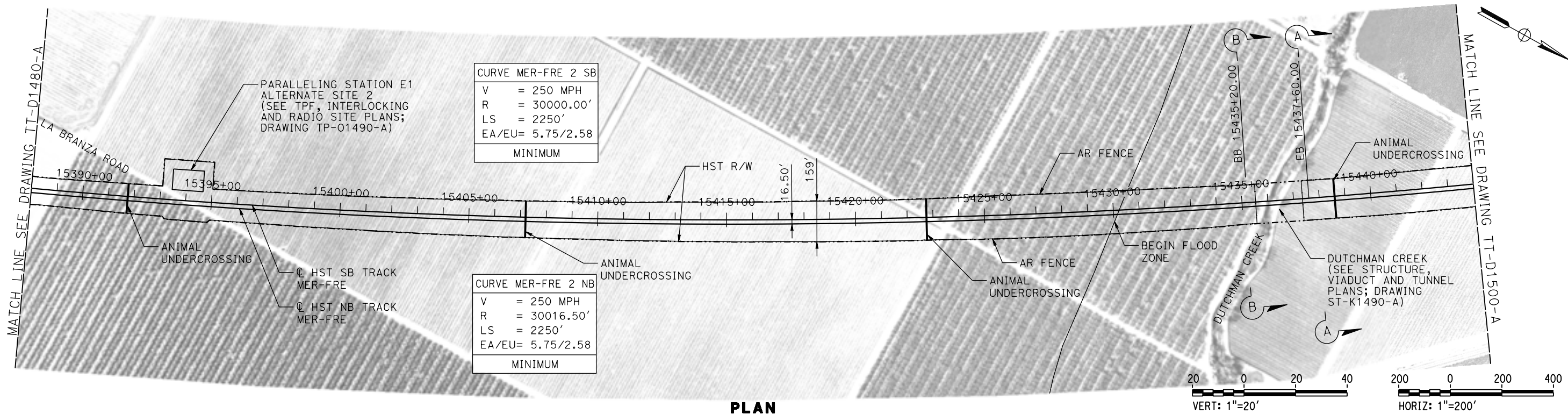
NOT FOR
CONSTRUCTION



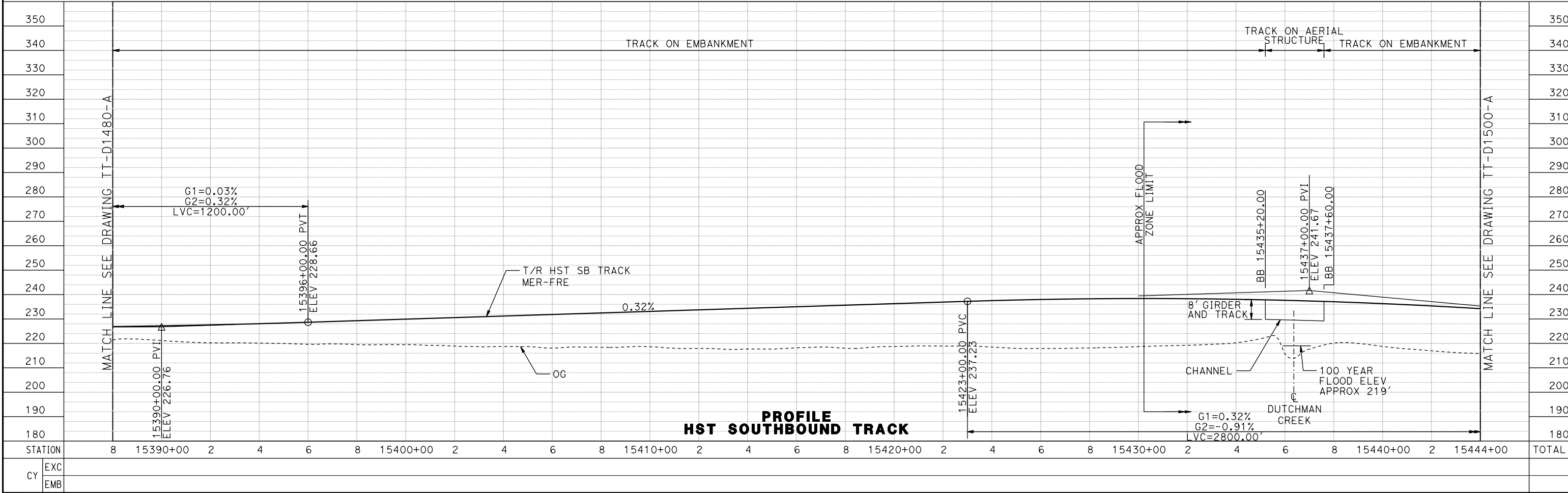
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15332+00 TO 15388+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1480-A
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY



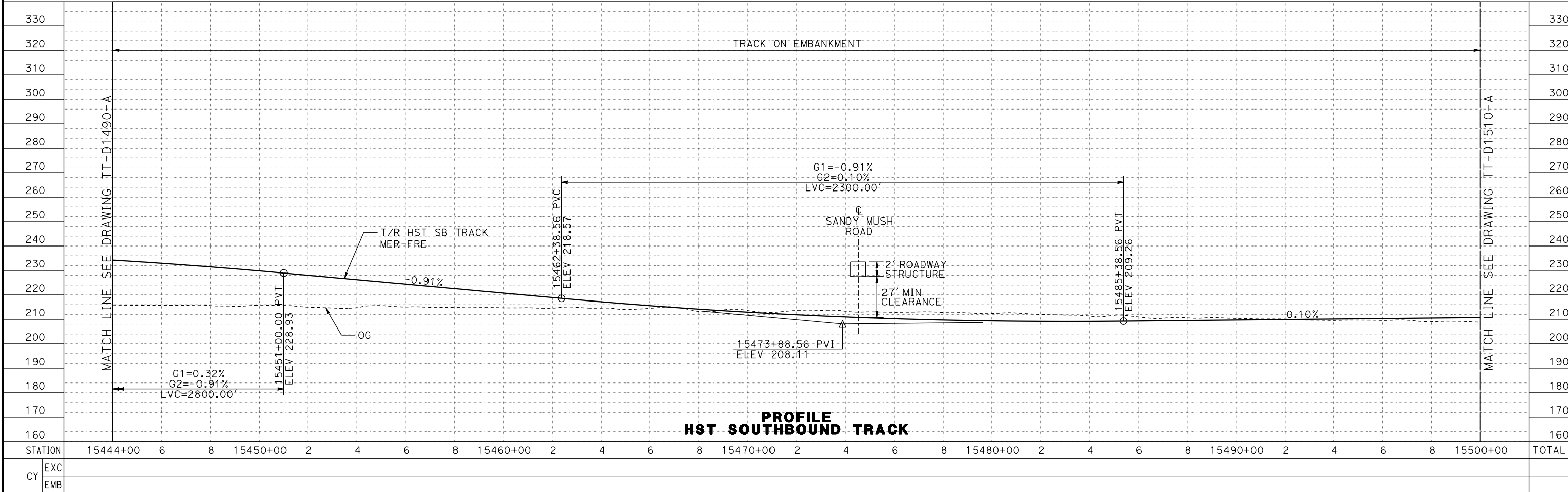
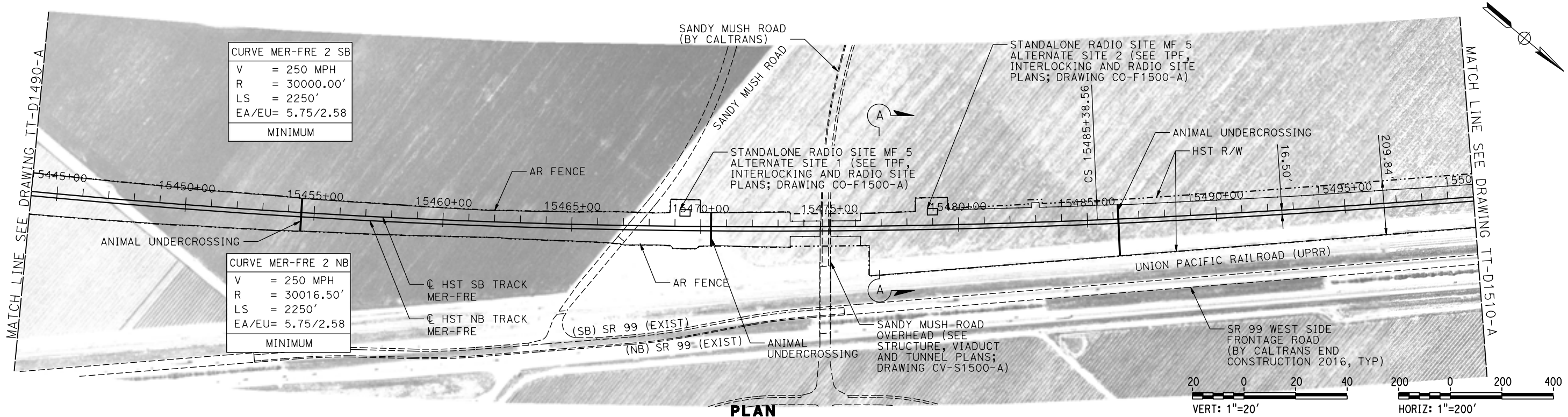
PLAN





PROFILE
HST SOUTHBOUND TRACK

DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15388+00 TO 15444+00	CONTRACT NO. HSR08-05
DRAWN BY M. TACTAY					DRAWING NO. TT-D1490-A
CHECKED BY E. CASTELI					SCALE AS SHOWN
IN CHARGE C. LEMLEY					SHEET NO.
DATE 03/18/2016					
REV	DATE	BY	CHK	APP	DESCRIPTION

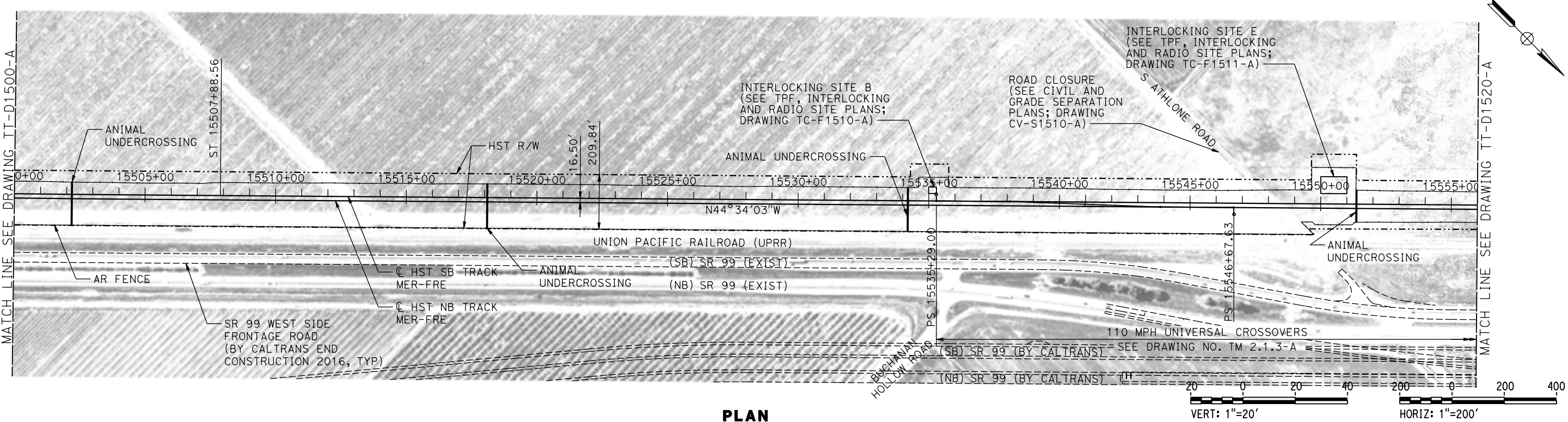
MERCED COUNTY



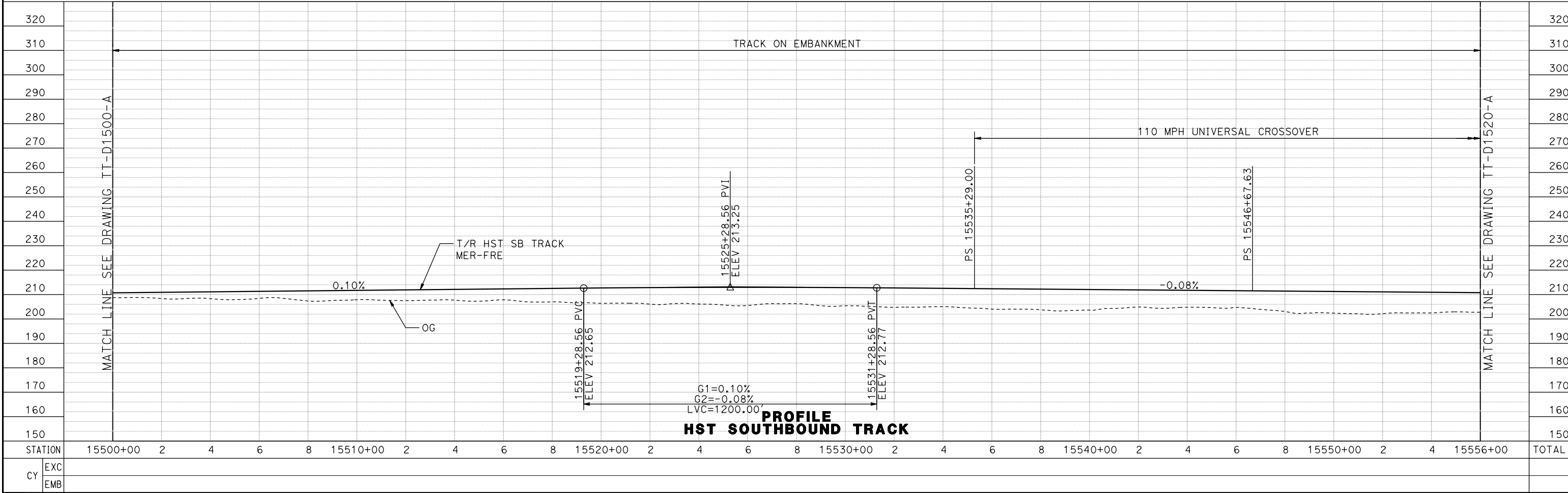
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					CHECKED BY E. CASTELI							SCALE AS SHOWN
					IN CHARGE C. LEMLEY							
					DATE 03/18/2016							
REV	DATE	BY	CHK	APP	DESCRIPTION							

CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION										
CENTRAL VALLEY WYE										
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE										
TRACK PLAN AND PROFILE										
MER-FRE STA 15444+00 TO 15500+00										

MERCED COUNTY



PLAN



PROFILE
HST SOUTHBOUND TRACK

08-MAR-2016 10:51:22 MF-TT-D1510-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

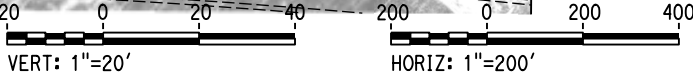
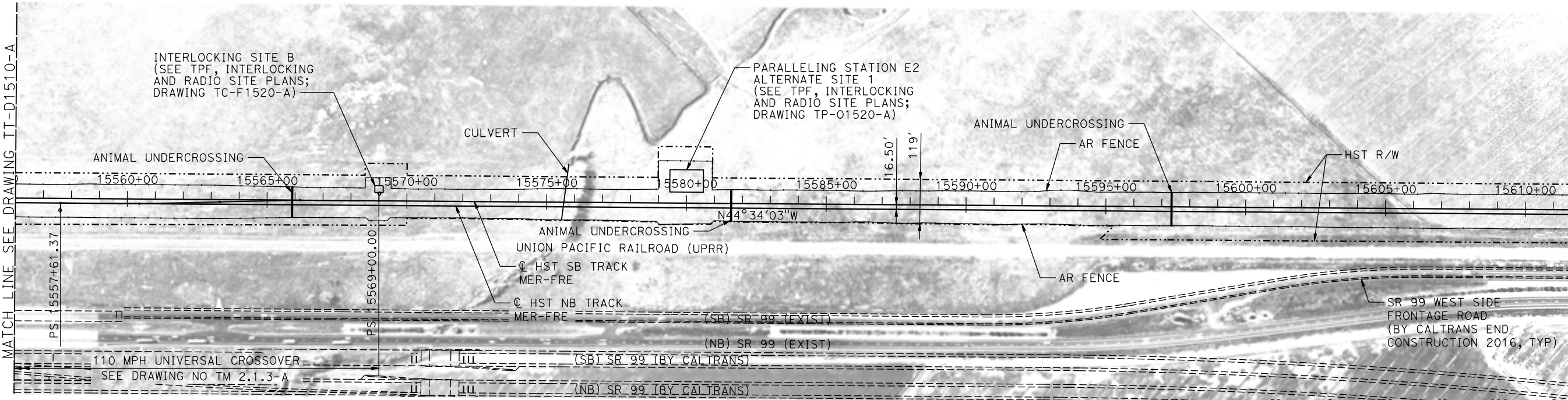
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CONSTRUCTION



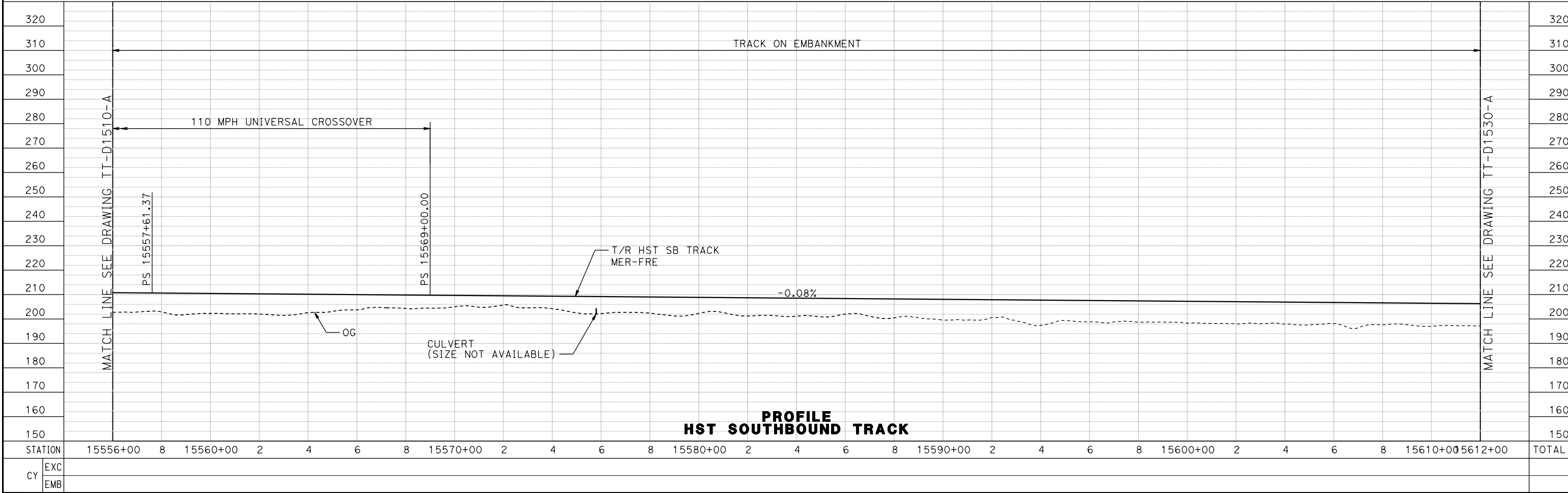
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15500+00 TO 15556+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1510-A
SCALE AS SHOWN
SHEET NO.

MERCED COUNTY



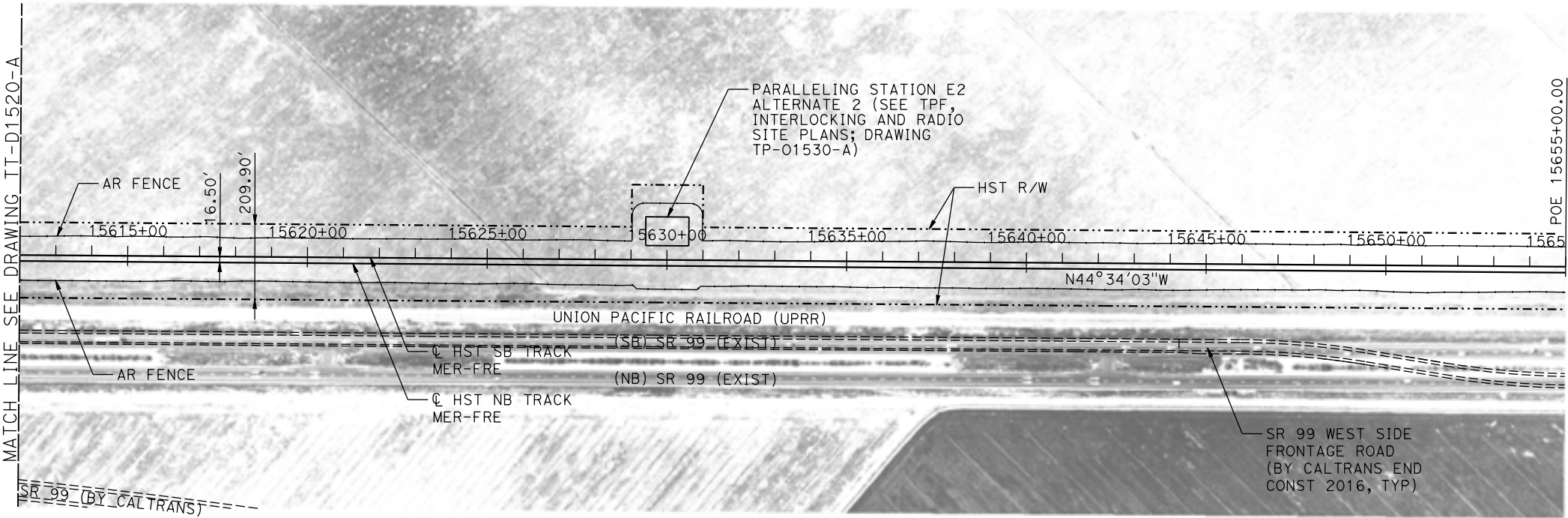
PLAN



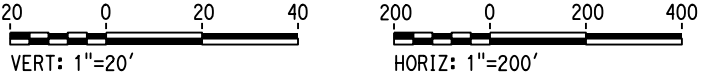
PROFILE
HST SOUTHBOUND TRACK

						DESIGNED BY D. OLIVETI	RECORD SET 15% DESIGN SUBMITTAL NOT FOR CONSTRUCTION			CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PLAN AND PROFILE MER-FRE STA 15556+00 TO 15612+00	CONTRACT NO. HSR08-05
						DRAWN BY M. TACTAY					DRAWING NO. TT-D1520-A
						CHECKED BY E. CASTELI					SCALE AS SHOWN
						IN CHARGE C. LEMLEY					SHEET NO.
REV	DATE	BY	CHK	APP	DESCRIPTION	DATE 03/18/2016					

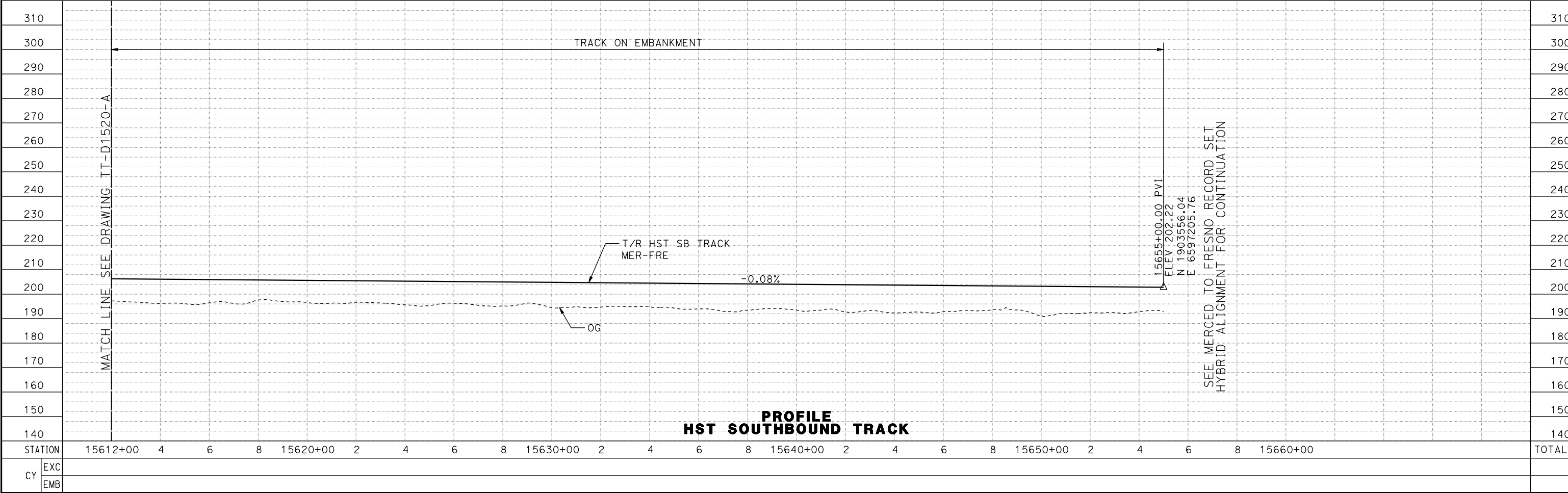
MERCED COUNTY



SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION



PLAN



PROFILE
HST SOUTHBOUND TRACK

SEE MERCED TO FRESNO RECORD SET
HYBRID ALIGNMENT FOR CONTINUATION

10-MAR-2016 09:22 MF-TT-D1530-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
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SUBMITTAL

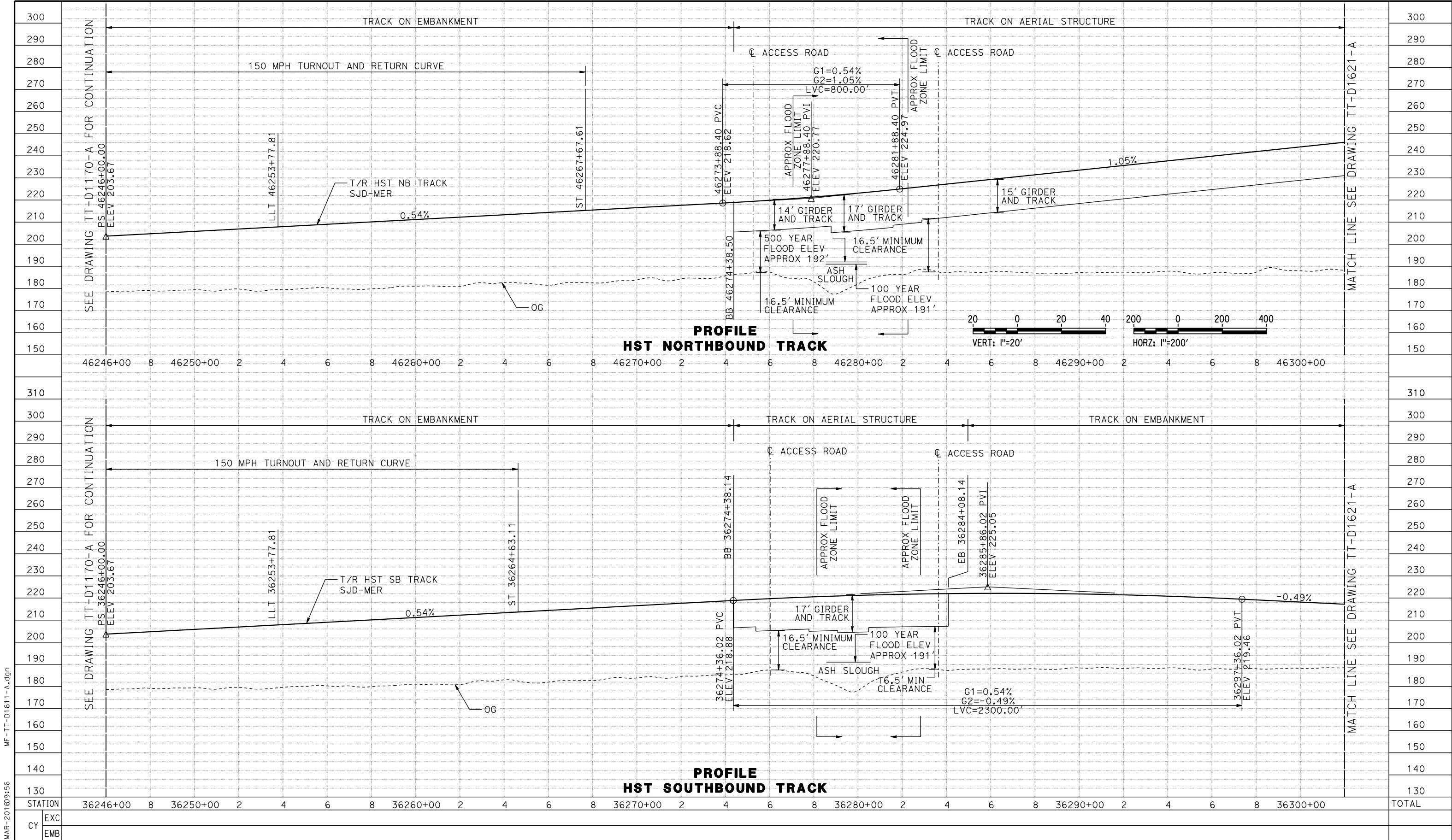
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN AND PROFILE
MER-FRE STA 15612+00 TO 15665+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1530-A
SCALE AS SHOWN
SHEET NO.

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1610-A
SCALE AS SHOWN
SHEET NO.



MF-TT-D1611-A.dgn
10-MAR-2016 9:56
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

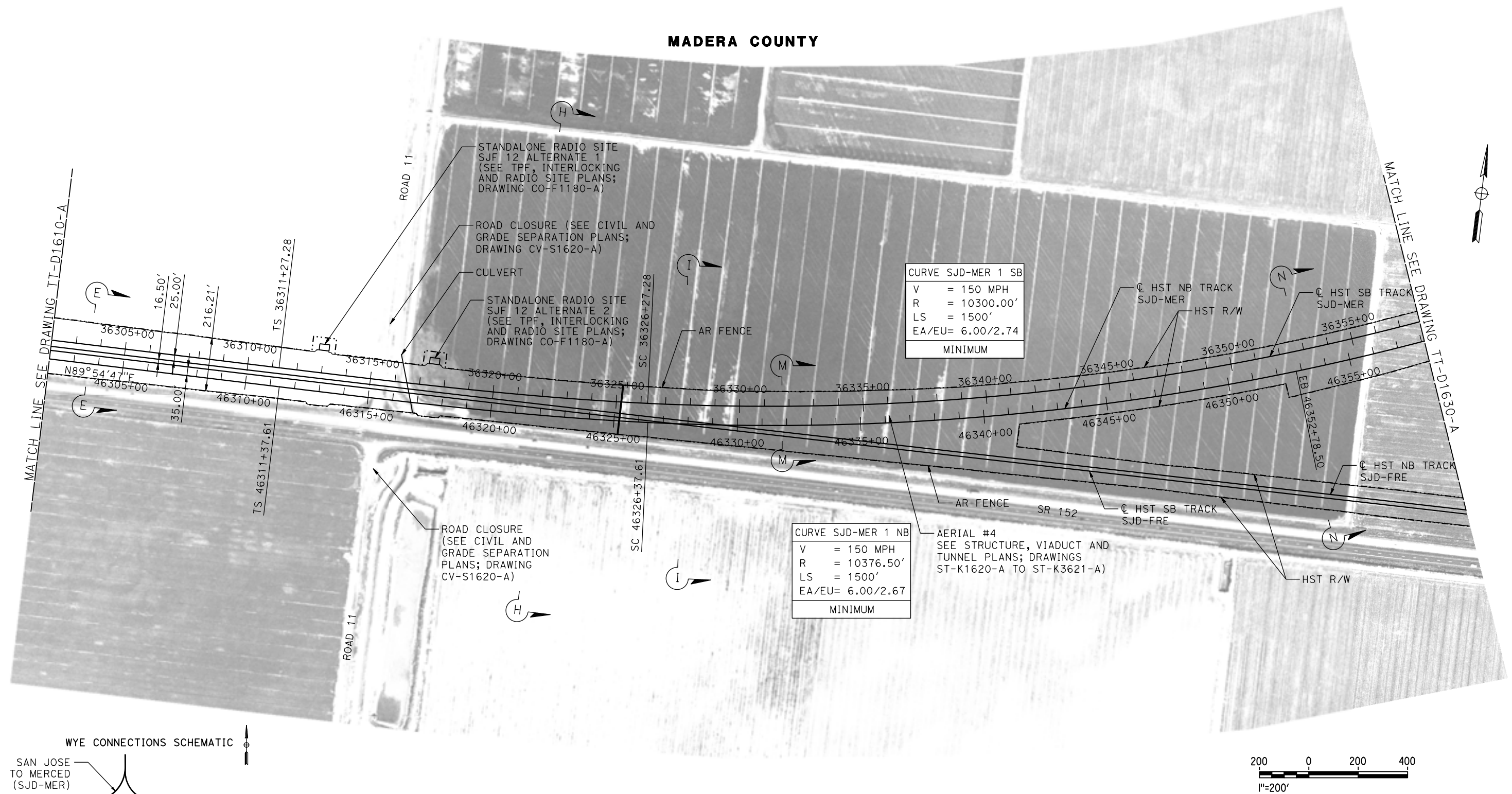
RECORD SET 15% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION CENTRAL VALLEY WYE SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE TRACK PROFILE SJD-MER STA 36246+00 TO 36302+00

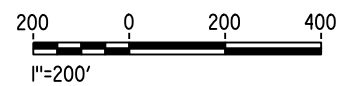
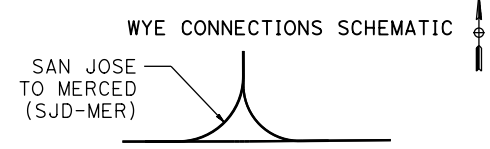
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1611-A
SCALE AS SHOWN
SHEET NO.

p0042226 23-FEB-2016 06:42 MF-TT-D1620-A.dgn



CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 10376.50'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

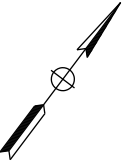
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CONSTRUCTION



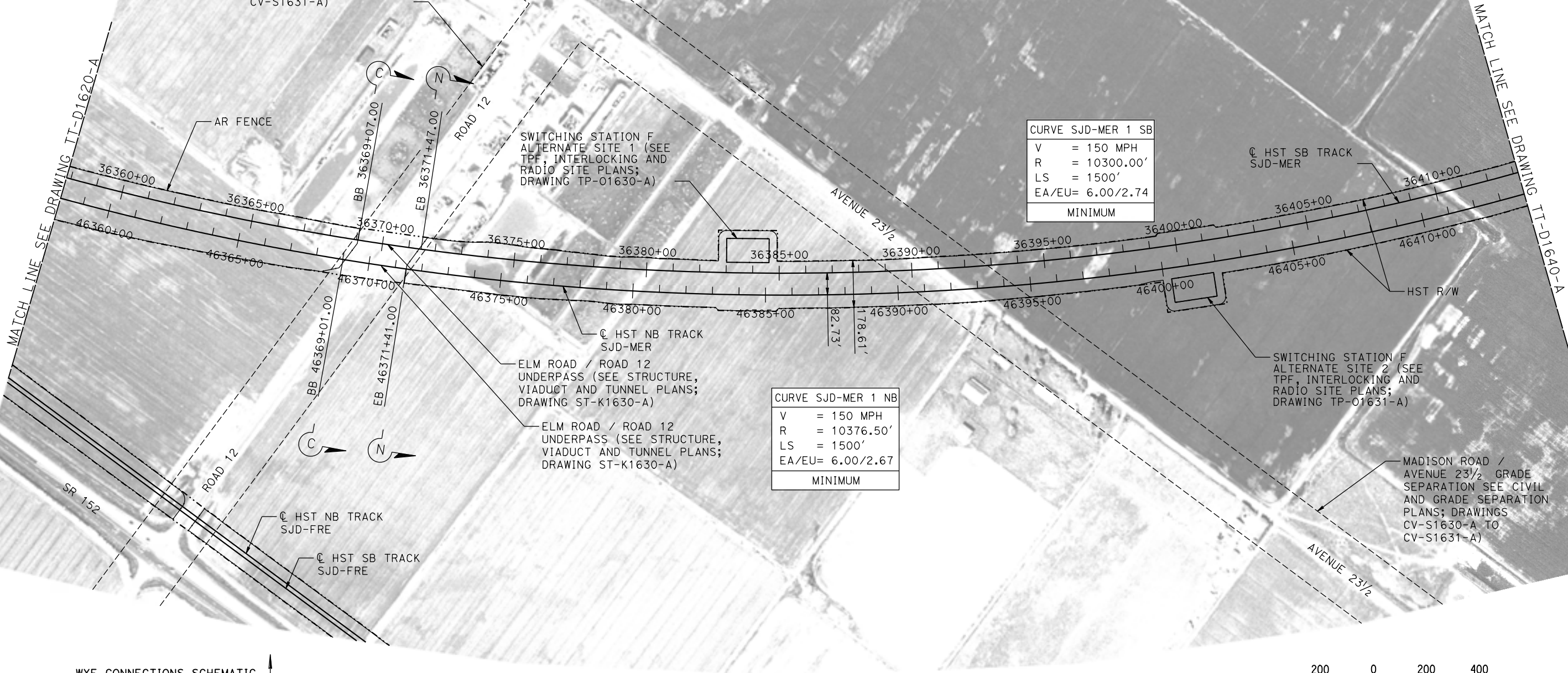
CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36302+00 TO 36358+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1620-A
SCALE AS SHOWN
SHEET NO.



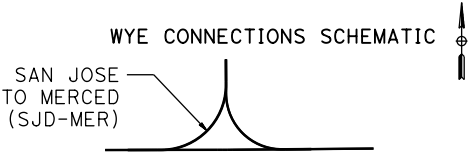
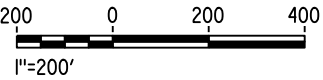
MADERA COUNTY



CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU	= 6.00/2.74
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 10376.50'
LS	= 1500'
EA/EU	= 6.00/2.67
MINIMUM	

PLAN



p0042226 23-FEB-2016 06:43 MF-TT-D1630-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

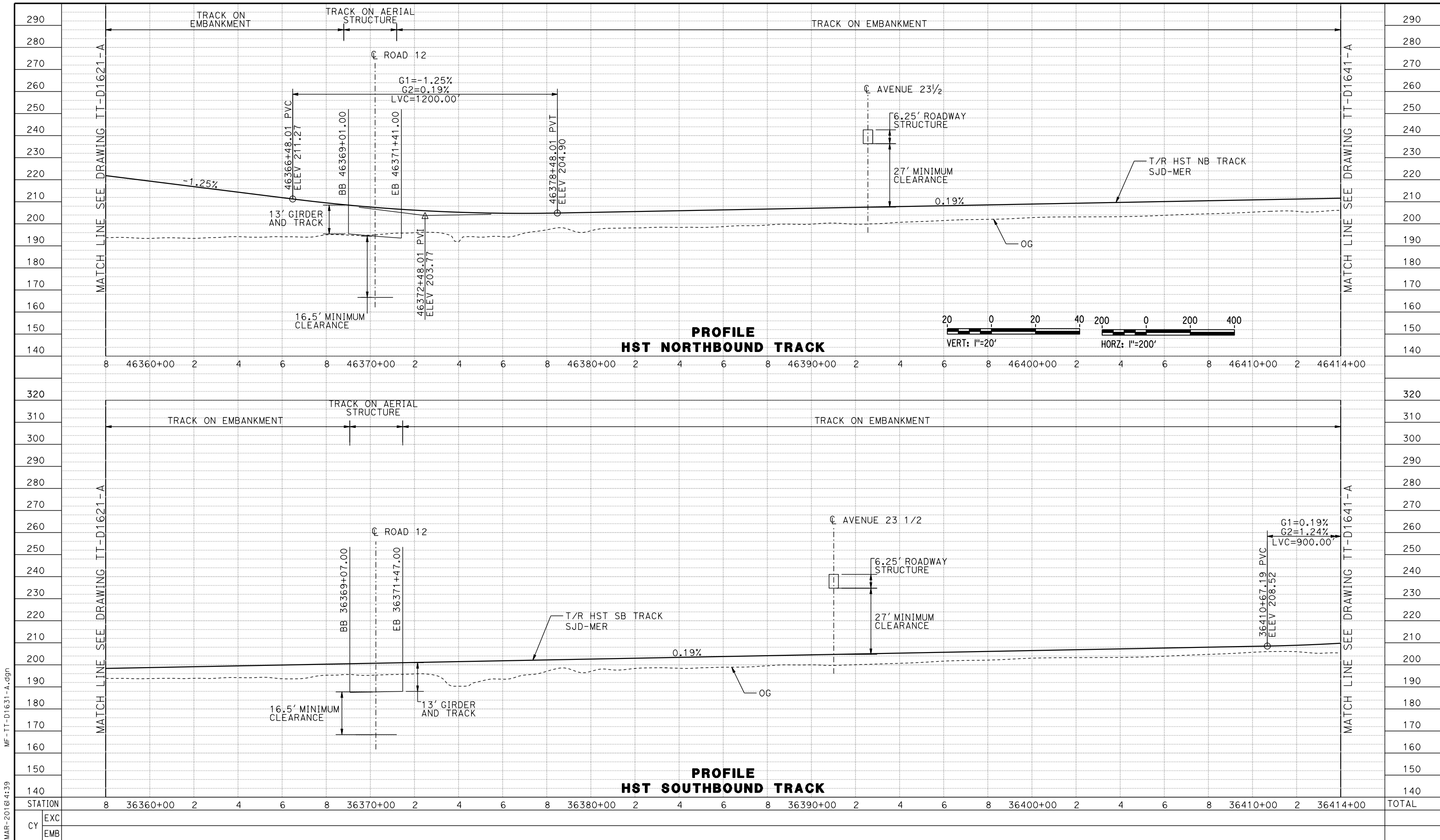
RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36358+00 TO 36414+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1630-A
SCALE AS SHOWN
SHEET NO.



07-MAR-2016 16:41:39 MF-TT-D1631-A.dgn

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

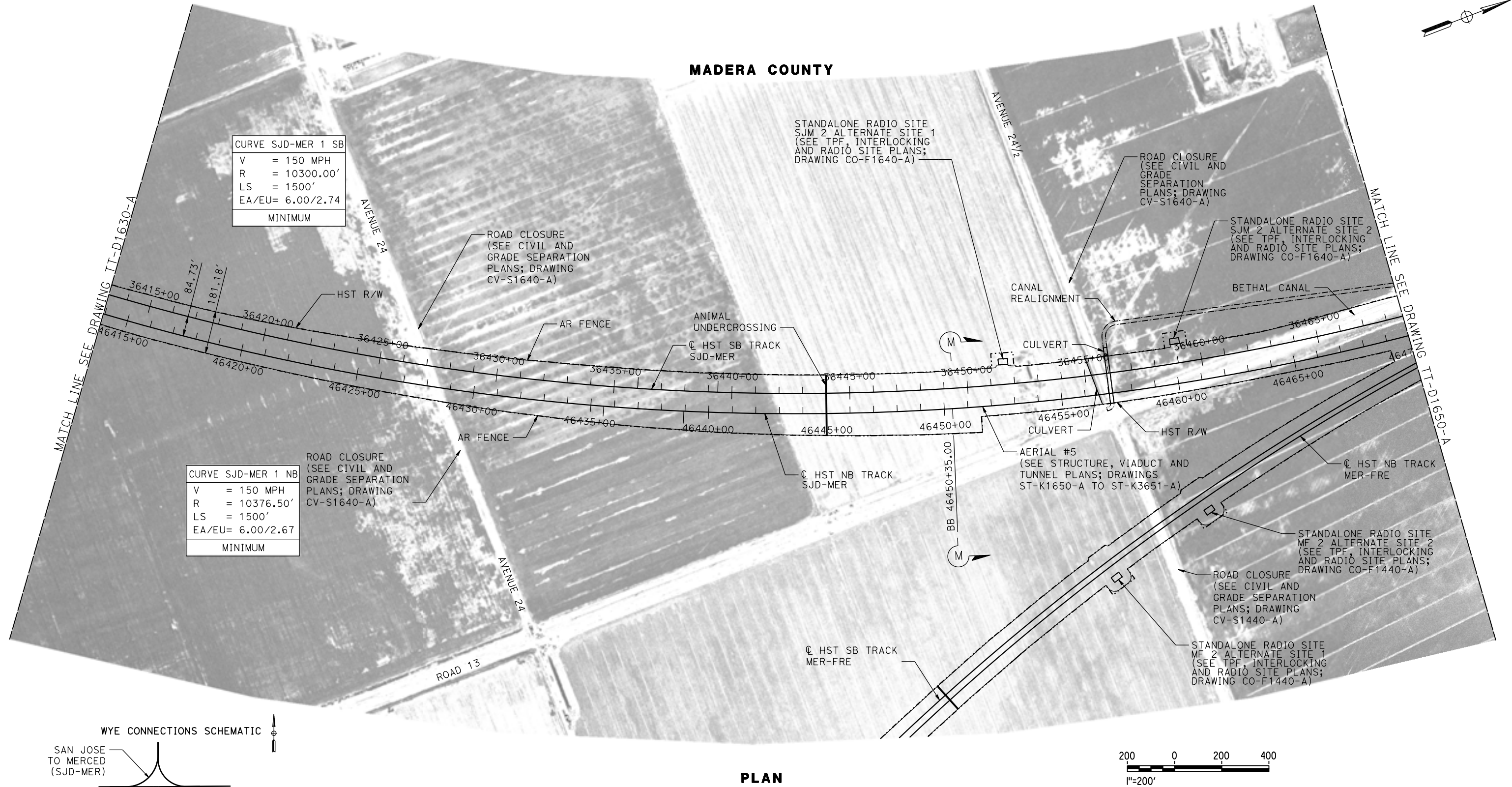
NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36358+00 TO 36414+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1631-A
SCALE AS SHOWN
SHEET NO.

p0042226 23-FEB-2016 06:43 MF-TT-D1640-A.dgn



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION

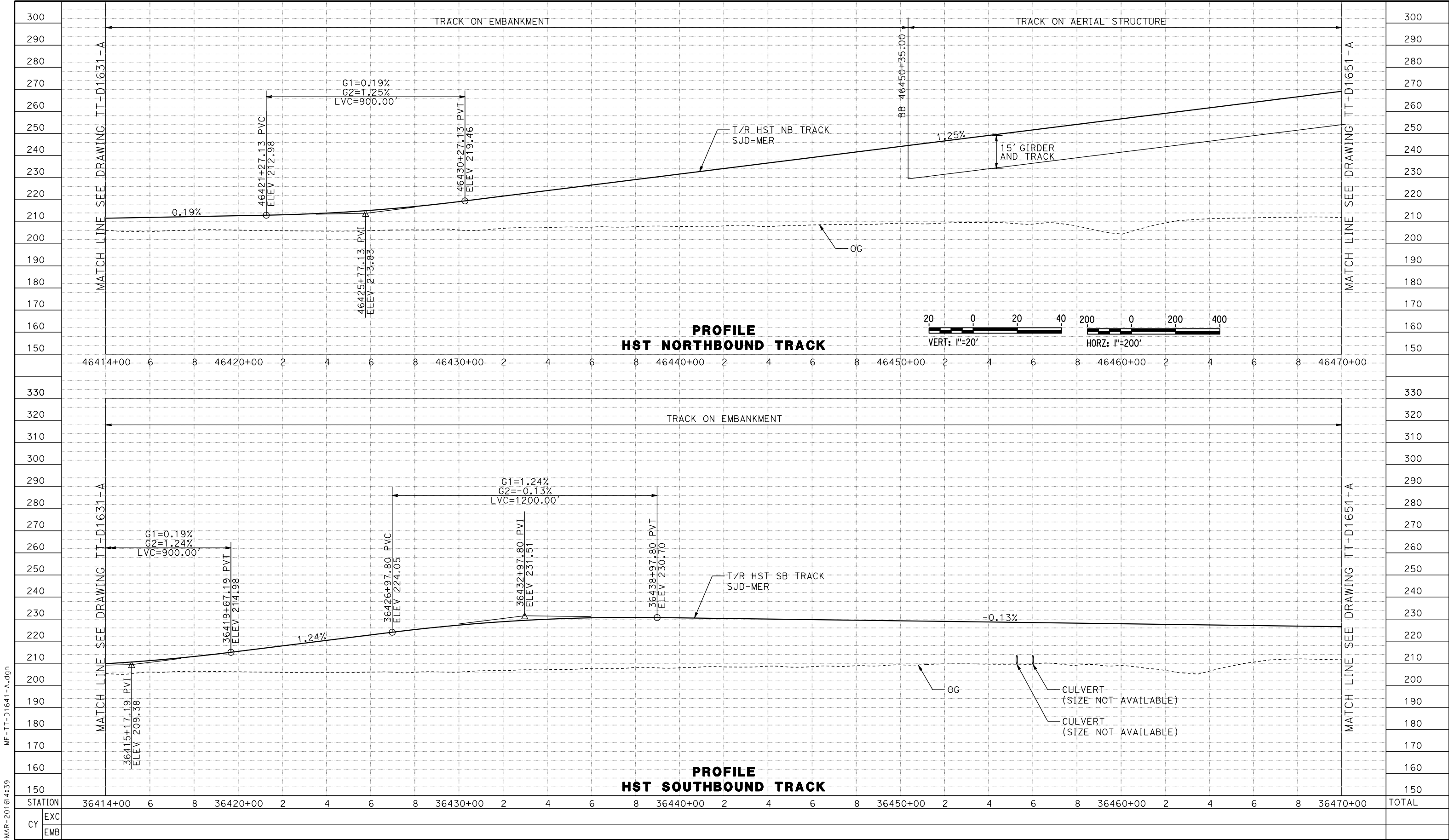


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36414+00 TO 36470+00

CONTRACT NO. HSR08-05
DRAWING NO. TT-D1640-A
SCALE AS SHOWN
SHEET NO.



MF-TT-D1641-A.dgn
07-MAR-2016 16:41:39
p0042226

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. OLIVETI
DRAWN BY M. TACTAY
CHECKED BY E. CASTELI
IN CHARGE C. LEMLEY
DATE 03/18/2016

**RECORD SET
15% DESIGN
SUBMITTAL**

**NOT FOR
CONSTRUCTION**

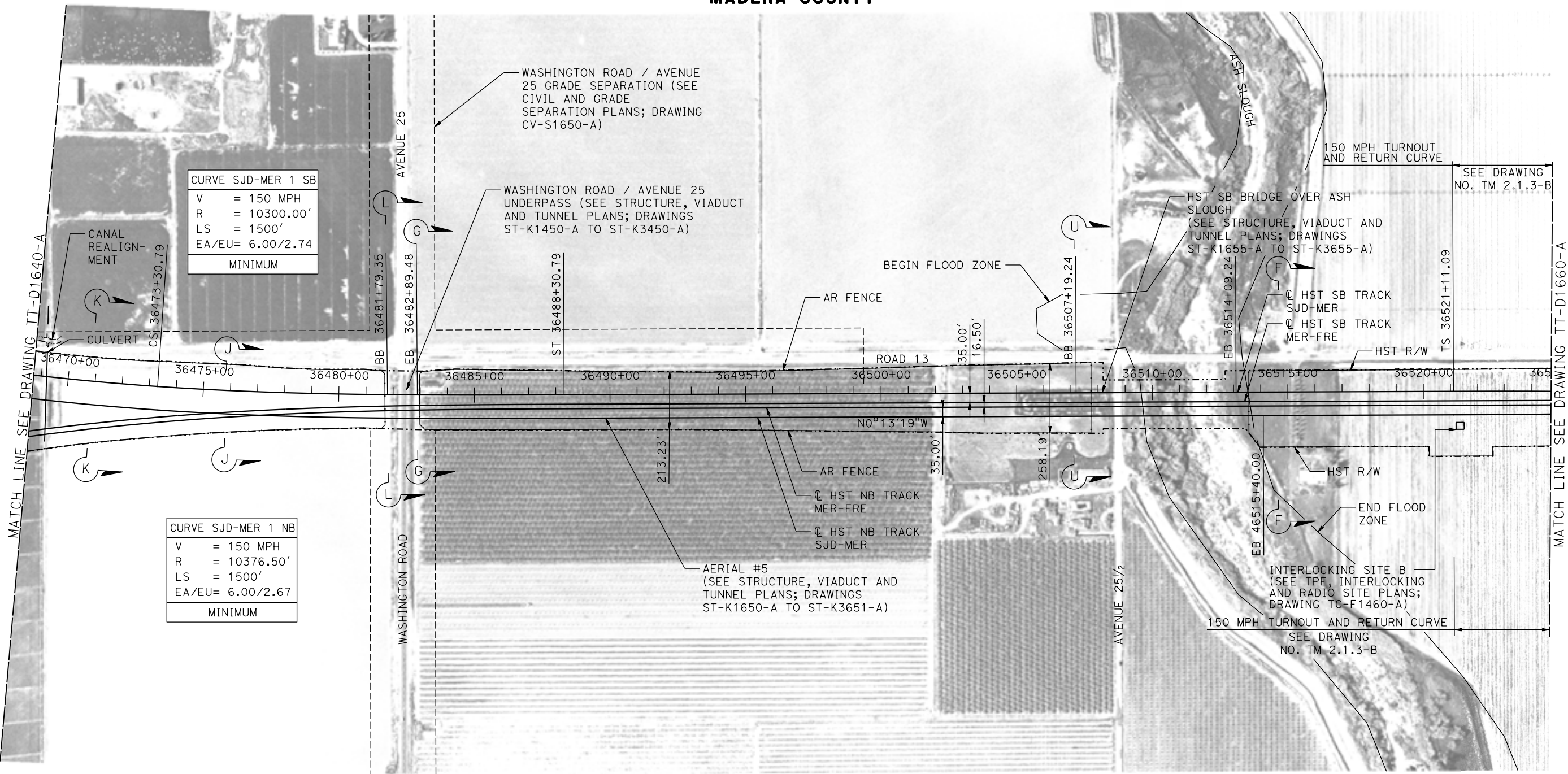


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION**

CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PROFILE
SJD-MER STA 36414+00 TO 36470+00

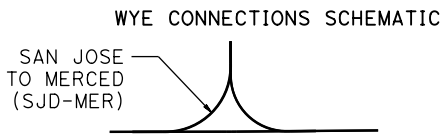
CONTRACT NO. HSR08-05
DRAWING NO. TT-D1641-A
SCALE AS SHOWN
SHEET NO.

MADERA COUNTY

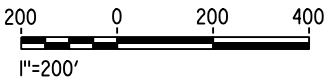


CURVE SJD-MER 1 SB	
V	= 150 MPH
R	= 10300.00'
LS	= 1500'
EA/EU=	6.00/2.74
MINIMUM	

CURVE SJD-MER 1 NB	
V	= 150 MPH
R	= 10376.50'
LS	= 1500'
EA/EU=	6.00/2.67
MINIMUM	



PLAN



DESIGNED BY	D. OLIVETI
DRAWN BY	M. TACTAY
CHECKED BY	E. CASTELI
IN CHARGE	C. LEMLEY
DATE	03/18/2016

RECORD SET
15% DESIGN
SUBMITTAL

NOT FOR
CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT
MERCED TO FRESNO SECTION
CENTRAL VALLEY WYE
SR 152 (NORTH) TO ROAD 13 WYE ALTERNATIVE
TRACK PLAN
SJD-MER STA 36470+00 TO 36526+00

CONTRACT NO.	HSR08-05
DRAWING NO.	TT-D1650-A
SCALE	AS SHOWN
SHEET NO.	

